# bTwin
# Retail scale

METTLER TOLEDO

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# 1 Your new retail scale

## 1.1 Most important functions

Congratulations on your new scale.

This robust scale with its battery operation, connectable cash drawer and integrated ticket printer facilitates comfortable, mobile selling while maintaining the highest accuracy.

Your new scale not only stands out due to its mobility, but also due to its network-capability and fast data transfer to and from a computer. This lets you, for example, operate integrated scales which are connected to quickly and easily create sales reports.

## 1.2 Device overview

### 1.2.1 Display
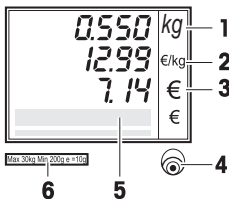
This display is laid out as follows from the customer and vendor point of view:

1 Weight display
2 Unit price
3 Price
4 Level indicator
5 Field for instructions or status messages
6 Calibration plate

In addition to the weight and price, the following status messages and indicators can be displayed:

| | |
|---|---|
| **–>0<–** | Gross weight is 0 |
| **P P** | Prepack mode |
| **ST** | Refund mode |
| **X** | Quantity mode |
| **100G** | Price per 100 g |
| **NET** | Net weight |
| **LS** | Large sale mode |
| **PLU** | PLU number is displayed |
| **FIX** | Unit price and/or tare are not hidden when the item is removed from the weighing pan or when several items are accumulated |

| $\zeta$ | Connected to mains power supply |
|---|---|

Network operation: the scale functions as a **master** and is connected to at least one slave

Network operation: the scale functions as a **slave** and is connected to the master

| | Illuminated: | the scale is in battery-powered operation |
|---|---|---|
| | Flashing: | battery too low |
| | | charge or replace battery |

Flashing and power supply operation symbol illuminated: battery is charging

### 1.2.2 Keyboard

The keyboard is divided into three sections:
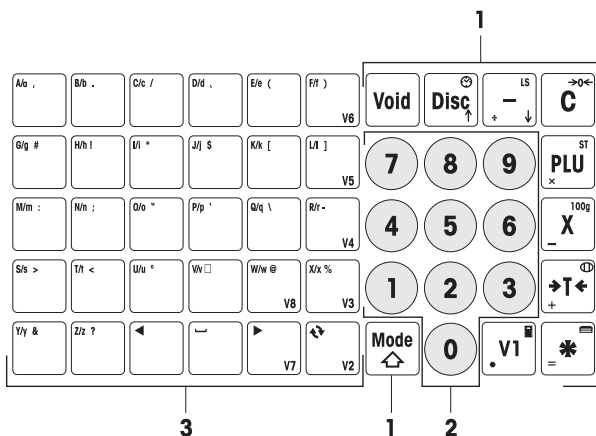


1   Function keys
2   Number keys
3   Key panel for entering text / direct keys / vendor keys (V2-V8)

In addition to their main function, most of the function keys have one or more auxiliary functions which are shown on the upper right and lower left of the key.

| **Function keys** **Key** | | **Name** | **Function** |
|---|---|---|---|
| **Main function** | Void | Void key | Cancel the item |
| | Disc | Discount key | Enter the discount in percent |
| | − | Minus key | Absolute decrease |
| | C | Delete key | Delete the entry |
| | PLU | PLU key | Call up a PLU |
| | X | Quantity key | Enter quantity |
| | →T← | Tare key | Tare the scale |
| | ✳ | Asterisk key | Complete the transaction, print ticket |
| | V1 | Vendor key | Book items to Vendor V1. The vendor keys, V2 to V8, are located to the left of the number panel. |
| | Mode ⇧ | Mode key | Enter/leave the setup mode, call up the auxiliary function |

**Function keys**  Used in combination with the mode key, the function keys have the
**Auxiliary function**  following secondary functions:

| Key | Function |
| --- | --- |
| Mode + Date/Time | Display/hide date/time * |
| Mode + LS | Activate large sale mode ** |
| Mode + →0← C | Zero the scale * |
| Mode + ST PLU | Turn refund mode on/off * |
| Mode + 100g | Toggle between price/100 g and price/kg ** |
| Mode + Park | Park ticket |
| Mode + Cash | Open cash drawer |
| Mode + Calc | Turn calculator on/off * |

\*     Activate/deactivate using key combinations:
      while holding the mode key, press the function key.
\*\*    To activate, either a price must first be entered or a PLU must be
      called up. After the transaction is completed, the scale returns
      to the normal operating mode.

### 1.2.3  Connections
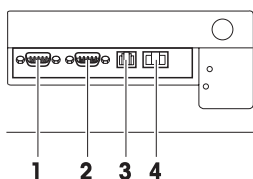
The following connections are located on the underside of the scale:

1   RS-232/COM1 for a scanner or computer
2   RS-232/COM2 for a scanner or computer
3   Cash drawer connection
4   Ethernet connection to set up a network of scales

**1  2  3  4**

### 1.2.4 Options/Accessories

The following options/accessories are available to enhance the performance of your scale:

- Tower to position the customer display at eye level
- Battery for mobile operation
- Cash drawer
- Integrated calculation function

If you want to add an option/accessory to your scale, please contact your sales representative.

## 1.3 Safety instructions

**Basic safety instructions**

- ▶ Read these operating instructions prior to using your scale.
- ▶ Store these operating instructions in the vicinity of the scale for future reference.
- ▶ Do not open the scale.
- ▶ Always unplug the scale before cleaning.

**Safety instructions for battery operation**

- ▶ The battery must not come into contact with chemical solvents, oil or water.
- ▶ Keep batteries away from heat and fire.
- ▶ Do not open the battery.

### 1.4 Calibration instructions

M

Scales that have been factory-calibrated have a label indicating this on the packaging.

Scales with a green M on the type plate are ready for operation.

M

Scales that are calibrated in two stages have a label indicating this on the packaging.

These scales have only been calibrated in a first stage (declaration of conformity in accordance with EN 45501-8.2). The second stage of the calibration must be done on-site by authorized service personnel. Please contact your local representative.

i

Medium accuracy scales that are used in commerce where certified calibration is required must be calibrated and certified.

Observe the respective measurement data guidelines in your country.

# 2 Setup and device settings

## 2.1 Contents

♣ Check that the delivery is complete:
- – Scale
- – Stainless steel weighing pan
- – Power cable
- – Ticket roll
- – Operating instructions
- – Quick guide

## 2.2 Requirements for scale's location

The right location is critical to weighing accuracy.
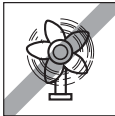
**Conditions for an ideal location:**
- No shocks and vibrations
- No excessive temperature fluctuations
- No direct sunlight
- No strong drafts

- Select a stable, vibration-free and preferably horizontal location for your scale.

## 2.3 Setting up the scale

### 2.3.1 Levelling the scale

Only a perfectly levelled scale delivers accurate weighing results. The scale is equipped with a level indicator to make it easier to level the scale.

♣ To level the scale, turn the scale's adjustable feet until the air bubble in the level indicator is positioned in the inner circle.

### 2.3.2 Removing the transportation lock

3 kg scales are equipped for transport with a locking bolt.
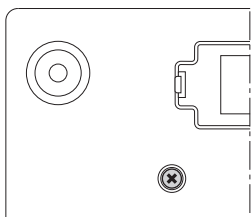
1. Remove the weighing pan.
2. Unscrew the locking bolt and put the weighing pan back on.

### 2.3.3 Mounting the tower (optional)

The tower is available as an option to mount the customer display at eye level.
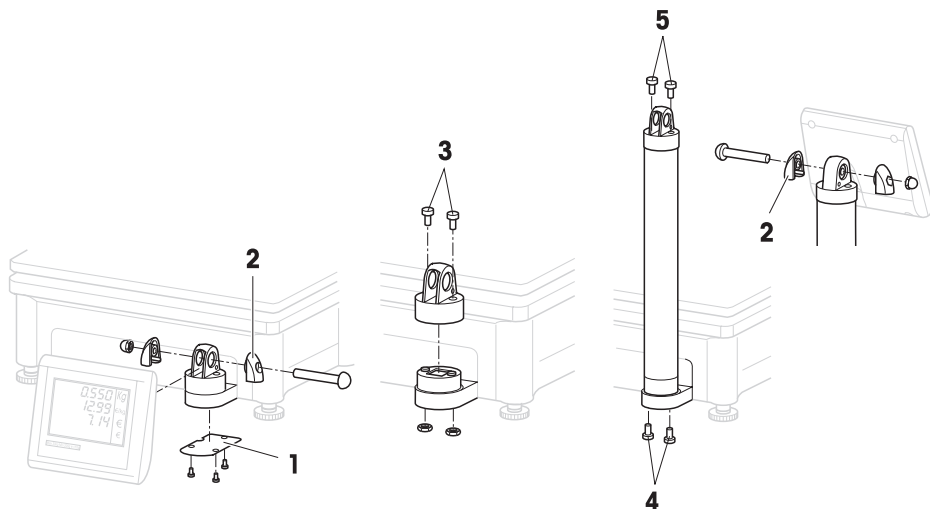
1. Loosen the 3 screws on the underside of the scale to remove the cover plate (1).
2. Remove the screws and nuts from the side screw caps (2).
3. Remove the screws (3) that fasten the customer display to the display holder.
4. Remove the display from the display holder and pull the display cable out of the cable duct.
5. Lay the cable in the tower.
6. Put the tower on the display holder and fasten it to the scale with 2 screws (4).

7. Put the customer display on the tower and fasten it to the tower with 2 screws (5).
8. Fasten both side screw caps (2) with screws and nuts.

## 2.4 Inserting paper

### 2.4.1 Paper format

Ticket rolls or label rolls must comply with the following measures:

**Legend**

| | |
|---|---|
| A | at least 12 mm |
| B | max. 68 mm |
| C | 57 mm |
| D | 50 mm |
| E | 2 mm |
| F | 20 - 60 mm |
| G | 2 mm |
| H | 46 mm |
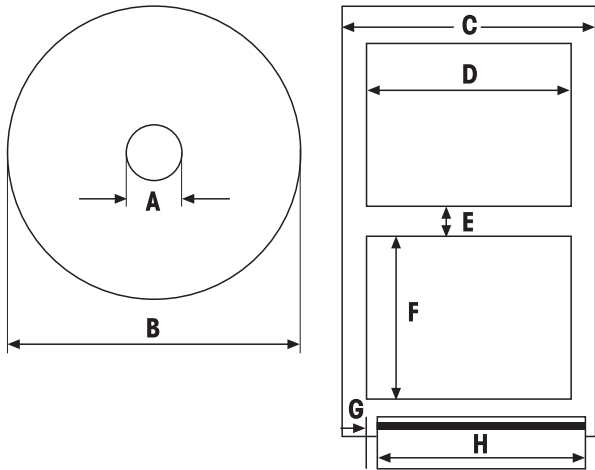


- The paper used (incl. carrier paper) must not be thicker than 0.12 mm.
- Do not slam the printer door as this will damage the printer.

### 2.4.2 Inserting the ticket roll
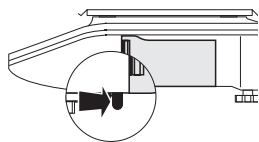
1. To open the printer door press back the small lever on the right side (towards the customer) underneath the scale.
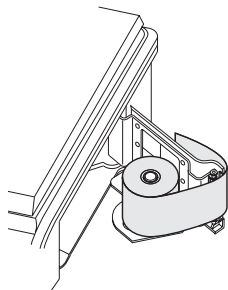
2. Push the ticket roll onto the spindle as shown.
3. Pull the paper to the outside over the black spool.
4. Close the printer door and tear off the excess paper.

### 2.4.3 Inserting the label roll
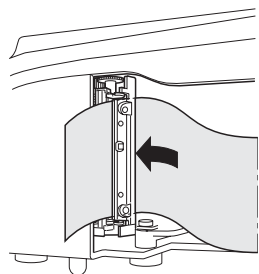
1. Open the printer door as described under inserting the ticket roll.
2. Push the label roll onto the spindle.
3. Remove the first two labels.
4. Pull the carrier paper through the plastic guide behind the paper cutter as shown.
5. Close the printer door.

## 2.5 Inserting the battery

The scale can only be battery-operated when this function has been activated with a license. If this is not yet the case for your scale, contact your sales representative.

**CAUTION**

The battery can be damaged if it is incorrectly installed.

♣ Pay attention to the correct battery polarity. The positive pole (+) and negative pole (-) cannot be short circuited.

♣ **Only use original manufacturer batteries.**
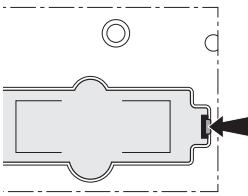
1. Remove the weighing pan.
2. Remove the battery compartment cover.
3. Place the battery in the compartment so that the terminal ends face upwards.
4. Connect the red terminal end to the positive pole (red or +) and the black terminal end to the negative pole (black or -).
5. Close the battery compartment.
6. Put the weighing pan back on.

- The battery life is affected by charging and discharging conditions.
- If correctly used, the battery life can reach approx. 300 charging cycles.
- A fully charged battery lasts up to 30 hours. The battery capacity decreases with age.
- The battery's operating time is reduced when the battery has not been used over a longer period of time (two months).
- It is recommended that the battery be charged at least every 3 months.
- If the battery was not used over a longer period of time, then charge the battery at least three times and use it until it is completely discharged.
- The charging time decreases if the battery is not fully discharged.
- Battery specification: 12 V / 5 Ah.
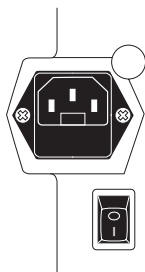
### 2.6 Connecting to mains power

1. Connect the supplied power cable to the power connection socket on the bottom of the scale.
2. Plug the power plug into a correctly grounded power outlet.

### 2.7 Turning on/off

♣ Turn the scale on using the switch on the bottom of the scale.

- After it is turned on, the scale runs through a short display test. All segments and status messages briefly light up.
- The GEO value and the software version are displayed.
- The scale is ready when the weight display appears.

### 2.8 Turning on background lighting/saving energy

- The scale comes equipped with a backlit display. If the ambient lighting is not sufficient, background lighting can be turned on so that the display can be easily read.
- During power supply operation, the background lighting stays on until you turn it off.
- To extend the battery's operating life, the background lighting turns off automatically when the scale is not used for more than one minute.
- When a weight is placed on the scale or a key is pressed, the background lighting automatically turns on again.

**Turning on background lighting**

♣ Press and hold the C key until a signal sounds and the background lighting turns on.

**Turning off background lighting**

♣ Press and hold the C key until a signal sounds and the background lighting turns off.

### 2.9 Cleaning

**CAUTION**
**Damages to the scale**
- ♣ Turn off and unplug the device before cleaning.
- ♣ Do not open the device.
- ♣ Make sure that no fluids get inside the device.
- ♣ Do not use scouring powders or plastic dissolving cleaning agents for cleaning.

**Cleaning**
- ♣ Remove the weighing pan and clean it with a commercially available household detergent.
- ♣ If heavily soiled, clean the surface of the device with a damp cloth that has been dipped in water containing a mild washing-up liquid and then well wrung out.

### 2.10 Disposal

In accordance with the requirements of European Directive 2002/96 EC on Waste Electrical and Electronic Equipment (WEEE), this device may not be disposed of with domestic refuse. This also applies for countries outside the EU in accordance with their respective national regulations.

- ♣ Please dispose of this product in accordance with local regulations for the separate collection of waste electrical and electronic equipment.

Should you have any questions, please contact the corresponding authorities or the dealer from whom this device was purchased.

If this device is passed on (for example for further private or commercial/industrial use), this regulation is also to be passed on.

Many thanks for your contribution to the protection of the environment.

**Battery disposal**
Batteries contain heavy metals and therefore cannot be disposed of in the normal refuse.

- ♣ Observe local regulations on the disposal of materials that are hazardous to the environment.

# 3 Fast and easy operation

The applications described in this chapter pertain to working with one vendor.

## 3.1 Free input

You can immediately use your scale for weighing and selling - without prior configuration.

With the factory settings, the scale can total several entries and calculate the customer change.
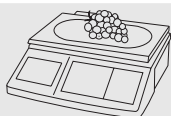
**0 ... 9**  [V1]

**...**

[✱]

**0 ... 9**

[✱]

1.  Place the item on the scale.

2.  Enter the unit price (price/kg) and enter by pressing the V1 vendor key.

3.  For more items, repeat steps 1 and 2.

4.  Total the items with the asterisk key.

5.  Enter the customer payment.

6.  Complete the transaction with the asterisk key.

The scale calculates the change and prints the ticket.

*   If you do not want to use the customer change function, omit step 5. In this case, press the asterisk key twice to total up and print the ticket.
*   Enter the price as usual without the decimal point, but with all the decimal places.

### 3.2 Working with PLUs

You can save your item data in the scale's PLU memory and simply call it up later.

With the factory settings, a PLU contains the item name, price type (per kg or per piece) and unit price.

PLUs are created in the scale setup.

**Creating a PLU**
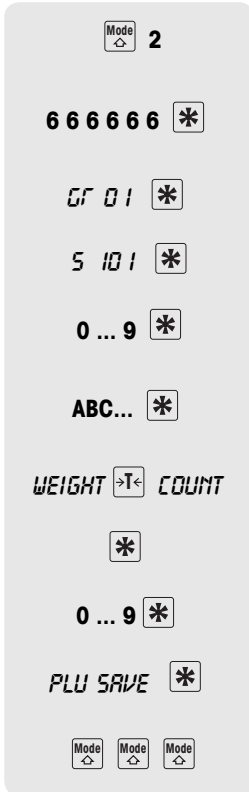
| | |
|---|---|
| $\boxed{\underset{\diamond}{\text{Mode}}}$ **2** | 1. Use the mode key to go to setup and then press 2. |
| **6 6 6 6 6 6** $\boxed{*}$ | 2. Enter password: enter the number 6 six times and confirm with the asterisk key. |
| $Gr\ 01$ $\boxed{*}$ | 3. Activate setup group 01 with the asterisk key. |
| $5\ 101$ $\boxed{*}$ | 4. Activate setup point 101 with the asterisk key. |
| **0 ... 9** $\boxed{*}$ | 5. Enter the desired PLU no. and confirm with the asterisk key. |
| **ABC...** $\boxed{*}$ | 6. Enter the item name using the keys in the left key field and confirm with the asterisk key. |
| $WEIGHT$ $\boxed{\rightarrow T \leftarrow}$ $COUNT$ | 7. Select the price type (weight or quantity) with the tare key. |
| $\boxed{*}$ | 8. Confirm the price type with the asterisk key. |
| **0 ... 9** $\boxed{*}$ | 9. Enter the unit price and confirm with the asterisk key. |
| $PLU\ SAVE$ $\boxed{*}$ | 10. Confirm PLU SAVE with the asterisk key. |
| $\boxed{\underset{\diamond}{\text{Mode}}}$ $\boxed{\underset{\diamond}{\text{Mode}}}$ $\boxed{\underset{\diamond}{\text{Mode}}}$ | 11. To exit the setup mode, press the mode key 3 times. The scale prints a list of the saved PLUs for your files. |

- Enter other PLUs as described in steps 5 to 10.
- Setup can be accessed in two different ways with different authorizations. Further information can be found in section 5.11, setup group 8
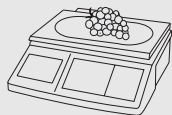
## Calling up PLUs

1. Place item on the scale.

2. Enter the corresponding PLU NUMBER and press the PLU key. The unit price and item name appear in the display as a check.

V1

3. Confirm the entry with the vendor key.

...

4. Complete the transaction with the vendor key and the asterisk key as described in section 3.1.

If you discover that you have entered the wrong PLU number, before you have confirmed the entry with the vendor key, then you can clear it with the C- key and then enter the correct PLU.

**PLU preset keys** You can save the most important PLUs to the keys in the left-hand key field.

| A/c , | B/b . | C/c / | D/d , | E/e ( | f/f ) V6 |
|---|---|---|---|---|---|
| G/g # | H/h ! | I/i * | J/j $ | K/k [ | l/l ] V5 |
| M/m : | N/n ; | O/o " | P/p ' | Q/q \ | R/r ~ V4 |
| S/s > | T/t < | U/u ^ | V/v □ | W/w @ V8 | X/x % V3 |
| Y/y & | Z/z ? | ◄ | ← | ► V7 | ↳ V2 |

## Setting up preset keys

**A 3 sec** ↵

1. Press the desired preset key, e.g. A, for approx. 3 seconds until PLU appears in the bottom left of the display.

**0 ... 9** ✱

2. Enter the relevant PLU no. and confirm with the asterisk key.

Two acoustic signals confirm that the PLU was assigned to the preset key.

- This key field comes with a card insert for custom key labelling.
- If you want to work with more than one vendor, then the vendor keys (V2 ... V8) cannot be used as PLU preset keys.
- 2 PLUs can be assigned to a preset key, refer to section 4.10.
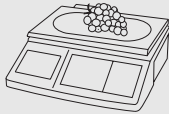
**Calling up PLUs with preset keys**

**A**

**V1**

**...**

1. Place item on the scale.

2. Press relevant preset key.
   The unit price and item name appear in the display as a check.

3. Accept the entry with the vendor key.

4. Enter further items and complete the transaction with the asterisk key as described in section 3.1.


## 3.3 Entering large quantities

Using the large sale function, you can also enter weights that are larger than the scale's capacity, e.g. when you want to sell a whole package with a known weight.

**0 ... 9** `PLU`

**0 ... 9**

`Mode` `LS`

**0 ... 9** `V1`

**...**

1. Enter the respective PLU number and press the PLU key.
   The unit price and the item name appear in the display as a check.

   or

   ▶  Enter the unit price.

2. To go to the large sale function, press the LS key while pressing the mode key.
   LS appears at the bottom of the display.

3. Enter the known weight and confirm with the vendor key.
   The large sale mode is ended.

4. Enter further items and complete the transaction with the asterisk key as described in section 3.1.

### 3.4 Weighing with 100 g price unit

For many products, customers are used to a price per 100 g.

1. Place item on the scale.

**0 ... 9 PLU**

2. Enter the associated PLU number and press the PLU key.
   The unit price and the item name appear in the display as a check.

or

**0 ... 9**

▶ Enter the unit price.

**Mode**  **100g**

3. To go to the 100 g mode, press the 100 g key while holding the mode key.
   The unit price per 100 g will be displayed.

**V1**

4. Accept the entry with the vendor key.
   The 100 g mode is ended.

**...**

5. Enter further items and complete the transaction with the asterisk key as described in section 3.1.

### 3.5 Using quantity PLU and multiplication

With the multiplication function, you can enter several items for a PLU.
How to create a PLU for items is described in section 3.1.

**0 ... 9 PLU**

1. Enter the PLU number of the item and press the PLU key.
   The unit price and the item name appear in the display as a check.

or

**0 ... 9**

▶ Enter the unit price.

**X**

2. Press the X key to call up the multiplication function.

**0 ... 9 V1**

3. Enter the number of items and confirm with the vendor key.
   The multiplication mode is ended.

**...**

4. Enter further items and complete the transaction with the asterisk key as described in section 3.1.

### 3.6 Using tare

You fill containers with your products or customers bring their own container. The tare function makes sure than only the goods are entered and paid.
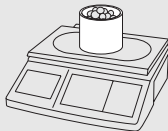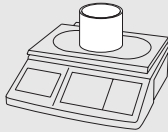
1. Place the empty container on the scale.

→T←

2. Press the tare key.
   The scale is tared.

The weight display is reset to 0.000 kg and the NET symbol appears. The tare weight is displayed in the bottom line of the display.

3. Fill the container with the goods to be weighed.

... V1

4. Carry out the transaction as described in section 3.1 and complete it with the vendor key.
   The tare value is cleared.

...

5. Enter further items and complete the transaction with the asterisk key as described in section 3.1.

Known tare weights can also be entered via the keyboard, refer to manual tare in setup point 445.

### 3.7 Zeroing

Due to soiling on the weighing pan or unfavourable external influences, it is possible that the weight display of an unloaded weighing pan may no longer be 0.000 kg. In such cases, the scale must be reset to zero.

0.010 **kg**

Mode + →0←
C
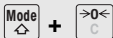
▶ While holding the mode key, press the zeroing key.

0.000 **kg**

The weight display is set to zero.
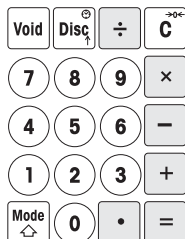
### 3.8 The scale as a calculator

The scale not only performs all calculations for you during sales; it also performs any other calculations.

In the calculator mode, the keys have the shown values.
The mathematical operators are shown on the lower left of the keys.

#### Calling up the calculator mode

▶ While holding the mode key, press the calculator key (V1).
CALCULA appears on the display. The calculator mode is active.

| Input | Display | Example: 3x5+5.67 |
|-------|---------|-------------------|
| **3 x** | *3* | |
| **5** | *5* | **Notes** |
| **+** | *15* | • The calculation is finished when the = key is pressed. It is not possible to continue with this calculation. |
| **5.67** | *5.67* | |
| **=** | *20.67* | • To end the calculation mode, again press and hold the mode key and then press the calculation key (V1). |

### 3.9 The scale as a clock

You can display the date and time in the display at any time.

▶ While holding the mode key, press the clock (DISC) key.
The date and time are displayed.

• When the date and time are displayed on the scale, you cannot weigh or enter values.
• To return to the scale mode, again press and hold the mode key and then press the DISC key.

#### The clock as a screen saver

When the "sleep mode" is activated in setup point 412, the scale always displays the time when there has been no scale activity for 3 minutes. As soon as a weight is put on the scale or a key is pressed, the weight display again appears.

# 4 Active selling

## 4.1 Voiding

Your customer decides not to buy one or more items that have already been weighed, but not paid. In this case, you can void the items that are not wanted.

Before totalling, you can void one or more vendor entries.

The following procedures are described based on the factory settings.

**Voiding individual entries**

**...**

1. Enter, but not total one or more PLUs or direct price items to a vendor key, also refer to chapter 3 on entering.

Void

2. Press the void key.
   Unit price, total price per PLU and PLU number of the item that was last entered appear in the display.

— or Disc

3. Use the minus key or the discount key to select the entry to be voided.

⁎

4. Confirm the selected entry with the asterisk key.
   VOID OK appears in the display.

**...**

5. If more entries should be voided, repeat steps 2 to 4.

**...**

6. Enter further items and complete the transaction with the asterisk key as described in section 3.1.
   The voided entries are printed on the ticket.
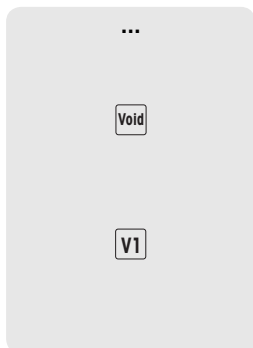
**Voiding all entries**

| | |
|---|---|
| **...** | 1. Enter, but not total one or more PLUs or direct price items to a vendor key, also refer to chapter 3 on entering. |
| **Void** | 2. Press the void key. Unit price, total price per PLU and PLU number of the item that was last entered appear in the display. |
| **V1** | 3. Press the vendor key. The message VOID ALL appears in the display. All of the vendor's entries are voided. A void ticket is created. |

Now you can serve the next customer.

### 4.2 Granting a discount

You want to grant your customer a discount in percent. With the factory settings, you can grant a discount on a single entry or on the total sum.

**Granting a discount on a single entry**
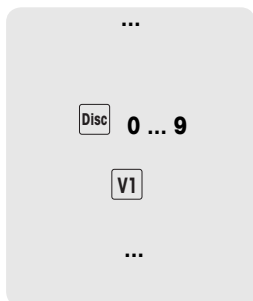
| | |
|---|---|
| **...** | 1. Weigh the PLU item as described in chapter 3, but do not confirm it with the vendor key. |
| **Disc** 0 ... 9 | 2. Press the discount key and enter the discount in percent. |
| **V1** | 3. Confirm the discount with the vendor key. |
| **...** | 4. Enter further items and complete the transaction with the asterisk key as described in section 3.1. The discount is printed on the ticket. |

**Granting a discount on the total sum**

|  |  |
|---|---|
| ... | 1. Enter items and total with the asterisk key as described in chapter 3. |
| Disc  0 ... 9 | 2. Press the discount key and enter the percent discount for the total sum. |
| ✳ | 3. Confirm the discount with the asterisk key. |
| ... | 4. Complete the transaction as described in section 3.1. The discount is printed on the ticket. |

In setup point 116, you can define automatic discount promotions for a specific time period for individual PLUs or groups.

### 4.3 Granting a rebate on the total sum

You want to decrease or round down single entries or end amounts. The rebate function allows - contrary to the discount function - to give absolute price reductions.
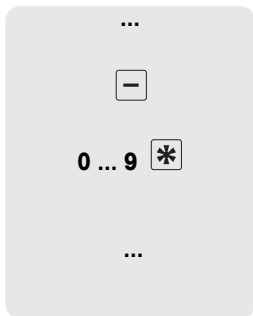
|  |  |
|---|---|
| ... | 1. Enter items as described in chapter 3. |
| − | 2. Press the minus key. |
| 0 ... 9  ✳ | 3. Enter the amount of the rebate to two decimal places and confirm with the asterisk key. |
| ... | 4. Enter further items and complete the transaction with the asterisk key as described in section 3.1. The decrease is printed on the ticket. |

If you always want to reduce the total sum or single items by one or two decimal places, then you can enter these settings in setup point 431.

### 4.4 Refunding (ST)

Your customer has paid for an item, but wants to return it. To partially or completely refund the sales price, use the refund function.
The following processes are described based on the factory settings.

[Mode] [PLU]
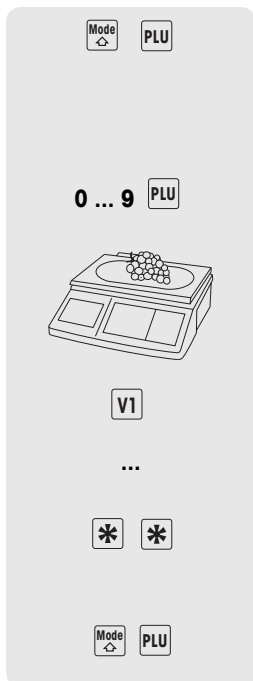
1.  While holding the mode key, press the PLU key.
    The scale switches to the refund mode, the status ST appears in the lower line of the display.

**0 ... 9** [PLU]

2.  Enter the direct price or the PLU number of the items that are to be refunded and press the PLU key.
    The unit price or item price and the item name appear in the display as a check.

3.  Place the item that is to be refunded on the scale or enter the quantity.

[V1]

4.  Confirm the negative entry with the vendor key.

**...**

5.  For more refunds, repeat steps 2 to 4.

[✳] [✳]

6.  Press the asterisk key twice to complete the refund.
    A refund ticket is printed.

[Mode] [PLU]

7.  To return to the weighing mode, simultaneously press the mode key and the PLU key.

### 4.5 Suspending a transaction (ticket parking)

You have weighed and entered the items the customer wanted. The customer is not able to pay immediately. In this case, you can suspend the already entered transaction and serve other customers in the meantime.

The following procedure is described based on the factory settings.
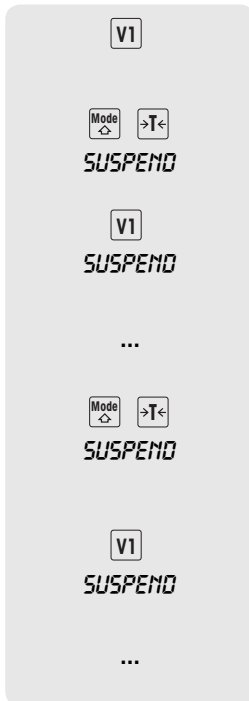
| | |
|---|---|
| **V1** | 1. Carry out the transaction as described in section 3.1 and confirm it with the vendor key, but do not total it. |
| **Mode** **→T←** <br> *SUSPEND* | 2. While holding the mode key, press the tare key. <br> SUSPEND appears in the display. |
| **V1** <br> *SUSPEND* | 3. Press the vendor key. <br> SUSPEND appears in the display. Two short acoustic signals confirm that the transaction was suspended. |
| **...** | 4. You can now serve other customers. |
| **Mode** **→T←** <br> *SUSPEND* | 5. To recall the suspended transaction, press the tare key while holding the mode key. <br> SUSPEND appears in the display. |
| **V1** <br> *SUSPEND* | 6. Press the vendor key. <br> SUSPEND appears in the display. Two short acoustic signals confirm that the suspended transaction was recalled. |
| **...** | 7. Complete the transaction as described in section 3.1. <br> The ticket is printed. |

- Each vendor can only suspend one transaction.
- If a suspended transaction is not completed, then the message NO MORE SUSPEND appears when you try to suspend another transaction.

### 4.6 Working with several vendors

Up to 8 vendors can be activated on the scale. They are automatically assigned to the vendor keys V1 to V8.
The factory setting is one activated vendor.

#### Condition

1. Working with several vendors is activated under setup point 409.
2. Vendor names can be entered under setup point 105 if desired.
3. Individual passwords for the vendors can be defined under setup point 801 if desired.

#### 4.6.1 Activating several vendors

| | |
|---|---|
| Mode 2 | 1. Go to setup with the mode key and then press 2. |
| 6 6 6 6 6 6 ✳ | 2. Enter the password: Enter the number 6 six times and confirm with the asterisk key. |
| Gr 04 ✳ | 3. Activate setup group 04: enter the number 4 and confirm with the asterisk key. |
| S 409 ✳ | 4. Call up setup point 409: enter the number 9 and confirm with the asterisk key. |
| 1 ... 8 ✳ | 5. Enter the number of vendors (1 to 8) and confirm with the asterisk key. |
| Mode Mode Mode | 6. Exit setup: press the mode key 3 times. |

The number of vendors entered is now activated on the scale.

- When working with more than one vendor, the occupied vendor keys can no longer be used as preset keys.
- In the basic state, the scale displays the logged-in vendor in the bottom line of the display. For example, "V 123 BON" means that vendors 1, 2 and 3 are logged in.
- Setup can be accessed in two different ways with different authorizations. Further information can be found in section 5.11, setup group 8

### 4.6.2 Working with several vendors

When working with several vendors, each vendor has to use his/her vendor key to enter items.

**Example** Vendor 2 has weighed several items and wants to complete his/her transaction.

$\boxed{\overset{\text{v}}{\text{V2}}}$ $\boxed{*}$
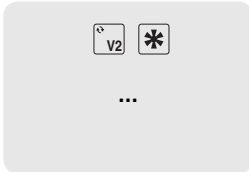
1. To total up, press the vendor key V2 and then the asterisk key.

...

2. Complete the transaction as described in section 3.1 .
   The ticket is printed.

- If more than one vendor is active, then a vendor's entries are hidden after approx. 2 seconds to prevent incorrect entries.
- If a vendor tries to complete a transaction directly with the asterisk key without his/her vendor key, then the message USER IDENT appears.
- The vendor messages are retained when the scale is turned off and back on.

### 4.7 Customer change function

The scale calculates the customer's change for you.

*TOTAL 7.53*

1. Total the items using the asterisk key.

*PAY 10.00*

2. Enter the customer's payment and confirm with the asterisk key.

*CHANGE 2.47*

The scale displays the change and prints the ticket.

If the change should not be printed on the ticket, then this can be turned off in setup point 222.

### 4.8 Various payment methods

With the factory settings, the scale only accepts cash payment. However, you can also enter vouchers, credit cards and cheques as payment methods. To do this, MULTI-PAY must be enabled in setup point 443.

#### 4.8.1 Enabling multiple payment
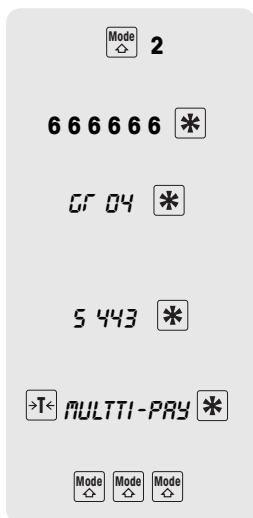
Mode 2

1. Use the mode key to go to setup and then press 2.

6 6 6 6 6 6 ✱

2. Enter password: enter the number 6 six times and confirm with the asterisk key.

Gr 04 ✱

3. Activate setup group 04: enter the number 4 and confirm with the asterisk key.

5 443 ✱

4. Call up setup point 443: enter the numbers 4 and 3 and confirm with the asterisk key.

→T← MULTI-PAY ✱

5. Use the tare key to select MULTI-PAY and confirm with the asterisk key.

Mode Mode Mode

6. Exit setup: press the mode key 3 times.

In addition to cash, it is now possible to pay by voucher, credit card and cheque.

#### Key assignments

The various payment methods are assigned to the following keys:
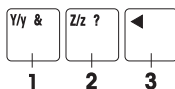
1 Voucher
2 Credit card
3 Cheque

#### 4.8.2 Paying by credit card

✱

1. Carry out the transaction as described in section 3.1 and total it with the asterisk key.

Z/z ?

2. Press the Z key.
The ticket is printed with the information that it is a credit card payment. The cash drawer does not open.

### 4.8.3 Paying by cheque

$\boxed{*}$
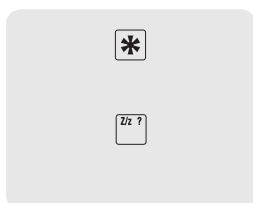
1. Carry out the transaction as described in section 3.1 and total it with the asterisk key.

$\boxed{\blacktriangleleft}$

2. Press the "left" cursor key.
   The ticket is printed with the information that it is a cheque payment. The cash drawer does not open.

### 4.8.4 Paying with a voucher

**Version 1**  The amount of the voucher exceeds the total sum. You give the customer the difference in cash.

$\boxed{*}$

1. Carry out the transaction as described in section 3.1 and total it with the asterisk key.

$\boxed{\text{Y/y \&}}$

2. Press the Y key.

**1 ... 8** $\boxed{*}$

3. Enter the amount of the voucher and confirm with the asterisk key.
   The message C CHG appears in the bottom line of the display. The ticket is printed with the information that it is a voucher payment and with the amount of cash change. The cash drawer opens.

**Version 2**  The amount of the voucher exceeds the total sum. You give the customer the difference in the form of another voucher.

$\boxed{*}$

4. Carry out the transaction as described in section 3.1 and total it with the asterisk key.

$\boxed{\text{Y/y \&}}$

1. Press the Y key.

2. Enter the amount of the voucher and confirm with the Y key.
   The message V CHG appears in the bottom line of the display. The ticket is printed with the information that it is a voucher payment and with the amount returned in the form of a voucher. The cash drawer does not open.

**Version 3** The amount of the voucher does not completely cover the total sum. The customer can pay the difference in cash or with a credit card.

$\ast$

1. Carry out the transaction as described in section 3.1 and total it with the asterisk key.

Y/y &

2. Press the Y key.

**1 ... 9** Z/z ?

3. Enter the amount of the voucher and confirm with the Z key to pay the difference with a credit card.
The ticket is printed with the information that it is a credit card and voucher payment. The cash drawer does not open.

or

**1 ... 9** $\ast$

▶ Enter the amount of the voucher and confirm with the asterisk key to pay the difference in cash.

**1 ... 9** $\ast$

▶ Enter the amount of the cash payment and confirm with the asterisk key.
The ticket is printed with the information that it is a voucher and cash payment and with the amount of cash change. The cash drawer opens.

It is not possible to combine voucher and cheque payment.

### 4.9 Basket function

Your customers pick themselves, e.g. strawberries, and bring their own baskets. If the basket function is enabled, you can save the weight of each basket and recall it when weighing. In this way, your customer only pays for what was actually picked.

### 4.9.1 Enabling the basket function

<div>

[Mode] **2**

**6 6 6 6 6 6** [✳]

*Gr 04* [✳]

*5 444* [✳]

[→T←] *ENABLE* [✳]

[Mode] [Mode] [Mode]

</div>

1. Use the mode key to go to setup and then press 2.

2. Enter password: enter the number 6 six times and confirm with the asterisk key.

3. Activate setup group 04: enter the number 4 and confirm with the asterisk key.

4. Call up setup point 444: enter the number 4 twice and confirm with the asterisk key.

5. Use the tare key to select ENABLE and confirm with the asterisk key.

6. Exit setup: press the mode key 3 times.

The basket function is now enabled.

**Key functions when the basket mode is enabled**

| | |
|---|---|
| V | Saves the tare weight |
| Space key | Calls up the saved tare weight |

- The V key and the space key can no longer be used for PLUs.
- Manual tare can be enabled in setup point 445. Known tare weights can then be entered using the P key.

### 4.9.2 Working with the basket function

**Saving the basket weight**
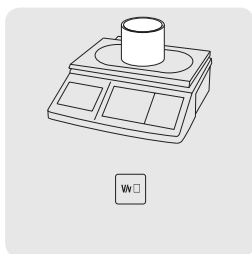
1. Place the empty basket on the scale.

2. Press V.
   The basket weight is saved. A ticket with the number and weight of the basket is printed.

- A max. of 999 different basket weights can be saved in the scale.
- If you have reached basket number 999, the scale automatically creates and prints a basket report. The basket number is then reset to 1.

**Calling up the basket weight**
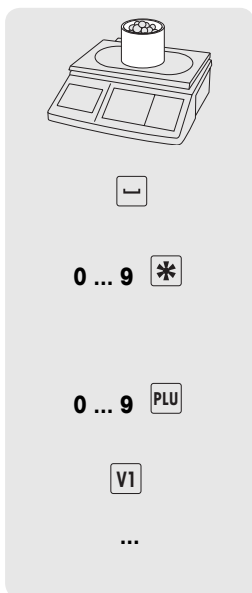
1. Place the filled basket on the scale.

2. Press the space key to call up the saved basket weight.

3. Enter the basket number and confirm with the asterisk key.
   The symbol NET, the net weight and the tare weight appear in the instruction field.

4. Enter the associated PLU number and press the PLU key.
   The unit price and item name appear in the display as a check.

5. Confirm the transaction with the vendor key.

6. Complete the transaction as described in chapter 3.

### 4.10 Working with 2 PLUs per preset key

PLUs can be assigned to PLU preset keys on 2 levels.
To do this, 2 PLU must be enabled in setup point 405.

### 4.10.1 Enabling 2 PLUs per preset key

| Mode | 2 | 1. Use the mode key to go to setup and then press 2. |

2. Enter password: enter the number 6 six times and confirm with the asterisk key.

3. Activate setup group 04: enter the number 4 and confirm with the asterisk key.

4. Call up setup point 405: enter the number 5 and confirm with the asterisk key.

5. Use the tare key to select 2 PLU and confirm with the asterisk key.

6. Exit setup: press the mode key 3 times.

Now, 2 PLUs can be stored per preset key.

### 4.10.2 Assigning 2 PLUs to a preset key

**2 sec** `A/a ,`          *L 1*
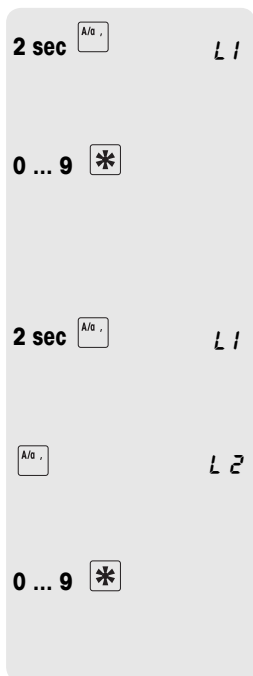
1. Press down and hold the desired preset key, e.g. the A key, for approx. 3 seconds.
   The message L1 appears in the display.

**0 ... 9** `✳`

2. Enter the PLU number for level 1 and confirm with the asterisk key.
   Two short acoustic signals confirm that the PLU is assigned to level 1.

**2 sec** `A/a ,`          *L 1*

3. Press down and hold the desired preset key, e.g. the A key, for approx. 2 seconds.
   The message L1 appears in the display.

`A/a ,`          *L 2*

4. Briefly press the preset key once.
   The message L2 appears in the display. You can assign a level 2 PLU.

**0 ... 9** `✳`

5. Enter the PLU number for level 2 and confirm with the asterisk key.
   Two short acoustic signals confirm that the PLU is assigned to level 2.

### 4.10.3 Calling up PLUs

**Calling up a level 1 PLU**

`A/a ,`

▶ Briefly press the relevant preset key, e.g. the A key one time.
   The unit price and the item name appear in the display as a check.
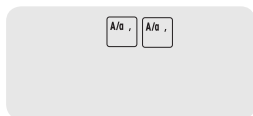
**Calling up a level 2 PLU**

`A/a ,` `A/a ,`

▶ Briefly press the relevant preset key, e.g. the A key two times.
   The unit price and the item name appear in the display for checking purposes.

# 5 Setup

## 5.1 Overview

In the setup mode, you can set up the scale to handle your special sales and back office tasks. Specific functions and groups are only accessible if you have a license. Ask your sales representative.

The setup mode features are organized in 10 groups:

**01 – Info Input**    In this group you enter your item data (PLUs) and ticket and label printing information.

**02 – Label/Ticket**    In this group you define what information should appear on the print-out.

**03 – Data Clear**    In this group you delete item data.

**04 – Operation**    In this group you define operating sequences.

**05 – Service Mode**    This group can only be accessed by the service engineer.
Only exception: setup point 518 - language settings

**06 – Reports**    The scale assists you with evaluations. In this group you set up your reports.

**07 – Network Configuration**    In this group, you enter the settings to communicate with a computer or to operate the scale in a network, e.g. to work in the integrated operation mode.

**08 – Password**    The setup mode is password protected. You can enter passwords and authorizations here.

**09 – Tests and Servicing**    This group can only be accessed by the service engineer.

**10 – Extra**    This group can only be accessed with a network license and contains additional functions such as self service and label printing.

### 5.2 List of all setup points

The most important and most frequently used points are indicated in **bold** print.

**Group 1: Information input**

| | |
|---|---|
| **101** | **PLU EDIT** |
| **102** | **PRICE CHANGE** |
| **103** | **PLU CONTENT** |
| **104** | **GROUP EDIT** |
| **105** | **VENDOR EDIT** |
| **106** | **DATE/TIME** |
| 107 | SHOP EDIT |
| 108 | SCALE NO. |
| **109** | **HEAD/FOOTER** |
| 111 | TARE EDIT |
| 112 | BARCODE |
| 113 | BAR C VS T/L |
| 116 | DISCOUNT ITEMS |
| **122** | **PRINT PLU** |

**Group 2: Label/ticket**

| | |
|---|---|
| 201 | RESTORE DEF |
| 203 | PRINTING |
| 205 | PRN STUB |
| 206 | PRN COPY |
| 207 | PRN METHOD |
| 216 | AFTER DESCRP |
| 217 | PRN SCALE |
| **218** | **PRN VENDOR** |
| **219** | **PRN DATE** |
| 220 | PRN TICK.NO. |
| **222** | **PRN CHG** |
| 223 | PRN BARCODE |
| 224 | PRN VOID |
| 225 | PRN LOGO |
| 230 | TARE PRN |
| 231 | PRN TOTAL |

**Group 3: Deleting data**

| | |
|---|---|
| **301** | **DELETE PLU** |
| 302 | DELETE GROUP |
| 305 | RESET SCALE |
| **306** | **PID LID** |
| 307 | DEL LOG |

**Group 4: Operation**

| | |
|---|---|
| 401 | RESTORE DEF |
| 402 | CALL PLU TEXT |
| **403** | **LOAD PLU TYPE** |
| 404 | PRINT EDIT |
| 405 | PRESET PLU |
| 406 | PRICE CHANGE |
| 408 | HAND PRICE |
| **409** | **VENDOR QTY** |
| 411 | TARE/P CLEAR |
| 412 | SLEEP MODE |
| 413 | LIGHT TYPE |
| 414 | ST |
| 415 | VOID |
| 416 | QTY SOLD |
| 430 | ROUND CONFIG |
| 431 | CUT CONFIG |
| 432 | CUT EFFECT |
| 433 | CUT KEY |
| 434 | CUT CHANGE |
| 438 | PRINT SPEED |
| 439 | CONTRAST |
| 440 | FIRST DAY TYPE |
| 441 | FILTER TYPE |
| 442 | ECR CHECKOUT |
| **443** | **MULTI-PAY** |
| **444** | **BASKET-FUNC** |
| 445 | TM KEY |
| 446 | TRAINING |
| 450 | PLU CONFIG |
| 451 | SAVE LOG |

**Group 5: Service mode**

| | |
|---|---|
| 518 | SET LANGUAGE |

**Group 6: Reports**

| | |
|---|---|
| 601 | RESTORE DEF |
| **602** | **SALES REPORT** |
| **603** | **PLU REPORT** |
| 604 | PROMOTION REP |
| 605 | GROUPS |
| 607 | HOURLY RPT |
| 610 | ST/RETN RPT |
| 611 | VENDOR RPT |
| 613 | WEEKLY RPT |
| 616 | COMBINE |
| 617 | LOG |
| 618 | BASKET RPT |
| 622 | VAT REPORT |
| 623 | DEL REPORT |
| 624 | DEL ALL REPT |
| 625 | DEL AU/MA |

**Group 7: Network configuration**

| | |
|---|---|
| 701 | RS-232 |
| 702 | ETHERNET |
| 703 | WORK MODES |

**Group 8: Password**

| | |
|---|---|
| 801 | PW MANAGER |
| 802 | RIGHT LIMIT |

**Group 10: Extra**

| | |
|---|---|
| 1003 | PRODUCT DATE |
| 1004 | EXTRA TEXT |
| 1005 | PRN TYPE |
| 1006 | D L W FORMAT |
| 1007 | D L Q FORMAT |
| 1008 | D P W FORMAT |
| 1009 | D P Q FORMAT |
| 1010 | D L T FORMAT |
| 1011 | ACT TO V1 |
| 1016 | SELF-SERVICE |
| 1017 | GROUP H RPT |
| 1020 | CASHDRAW RPT |
| 1021 | MONTHLY RPT |
| 1022 | YEARLY RPT |
| 1025 | PLU REPORT |
| 1026 | MODE SWITCH |

### 5.3 Setup operation

#### 5.3.1 Entering setup

**Mode 1**
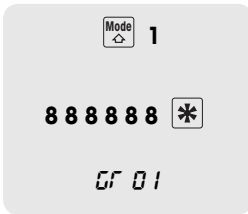
1. Use the mode key to go to setup and then press 1.

**8 8 8 8 8 8 ✱**

2. Enter password: enter the number 8 six times and confirm with the asterisk key.

**Gr 01**

The first setup group is displayed.

ⓘ Setup can be accessed in two different ways with different authorisations. Further information can be found in section 5.11, setup group 8.

#### 5.3.2 Key functions during setup

The following keys can be used during setup:
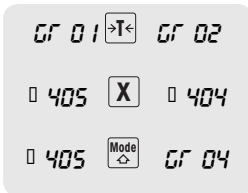
✱ Confirm selection / complete entry

**Gr 01 →T← Gr 02**

→T← Page forwards, e.g. Gr 01 →T← Gr 02 →T← Gr 03 ...

**405 X 404**

X Page backwards, e.g. S 405 X S 404 X S 403 ...

**405 Mode Gr 04**

Mode Go back a level, e.g. S 405 Mode Gr 04 Mode 0.000 kg

ⓘ Within a setup group, a point can be called up directly by its number.

#### 5.3.3 Ending setup

**Mode Mode ...**

▶ Press the mode key repeatedly until the weight display appears again.

**0.000 kg**

The scale is now again in the normal operating mode.

### 5.3.4 Example: price change for PLU 25

...

$gr\ 01$ ✳
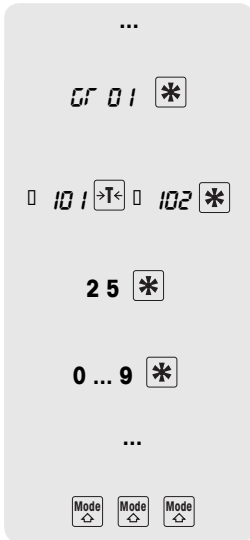
1. Enter setup as described in section 5.3.1.

2. Activate setup group 01 with the asterisk key.
   S 101 is displayed.

$101$ →T←    $102$ ✳

3. Use the tare key to go to S 102 and confirm with the asterisk key.

**2 5** ✳

4. Enter an existing PLU number (in the example: 25) and confirm with the asterisk key.

**0 ... 9** ✳

5. Enter the new unit price and confirm with the asterisk key.

...

6. To change other PLUs, repeat steps 4 and 5.

Mode Mode Mode

7. To exit the setup mode, press the mode key 3 times.

### 5.3.5 Direct access using the setup shortcut keys

It is possible to directly access a setup point using shortcut keys in the left key field.

| **101** Edit PLU | B/b . | C/c / | **605** Group Report | E/e ( | F/f ) V6 |
|---|---|---|---|---|---|
| **102** PLU Price Change | **116** Discount Items | **616** Combine Reports | J/j $ | K/k [ | L/l ] V5 |
| **104** Edit Group | N/n ; | **602** Sales Report | P/p ` | **613** Weekly Report | R/r - V4 |
| S/s > | T/t < | **603** PLU Report | **611** Vendor Report | W/w @ V8 | X/x % V3 |
| Y/y & | Z/z ? | **607** Hourly Report | ⎵ | ▶ V7 | ↻ V2 |

1. To call up setup, refer to section 5.3.1.
2. Press the shortcut key.

The corresponding setup point is called up.

You can print a list of all shortcut keys and the assigned menu points by pressing the mode key and then key V6.

### 5.3.6 Text input

Text is entered using the alphanumeric key field.

**Function keys**
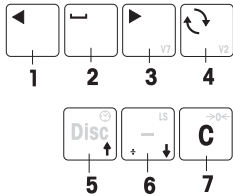
The bottom row of the alphanumeric key field and the upper row of the right key field have the following function keys for entering text:

1 Left cursor key
2 Space
3 Right cursor key (V7)
4 Shift key uppercase/lowercase/special symbols (V2)
5 One line up
6 One line down
7 Delete characters

**Upper/lower case**

The entered characters are shown in the display. Repeatedly pressing the shift key shows the following values in the given sequence:

- **ʟ** Upper case letters
- **5** Lower case letters
- **ʹ** Special characters
- **ᴄ** Unicode characters

**Example** Entering "Fruit –10%"

| Switch | Type | Input |
|--------|------|-------|
| – | ʟ | F |
| ↻ | 5 | r u i t |
| ↻↻ | ᴄ | 00150 (–) |
| ↻ | ʟ | 10 |
| ↻↻ | ʹ | % |

All allowed characters are listed in the "Unicode Characters" table in the appendix.

### 5.4 Setup group 1

In this group you enter your item data (PLUs) and ticket and label printing information.

#### 5.4.1 Tips for setting up and configuring PLUs

**Edit PLUs (101)** ► Save your items (PLUs) in setup point **101.**

With the factory settings, a PLU contains the following components (item specifications) that describe the item:
- PLU number
- PLU name
- Price type (by weight/by count)
- Unit price

**PLU contents (103)** Depending on your operating sequence requirements, 1 to 10 pieces of information can be assigned to a PLU, e.g. the item number from your merchandise information system.

► Configure the contents of a PLU in setup point **103**.

Thus, the PLUs contain exactly the information that is important to you.

**Groups (104)** Categorize your sales in groups (cheese, fruit, vegetables, …).

An individual value added tax rate can be assigned to each group (VAT rate).

► Create your groups in setup point **104**.

**PLU tare (111)** Store the tare weight in the PLU when the product is always sold in the same packaging.

► Create your groups in setup point **111**.

**Call up a PLU (403)** You can choose whether the PLU should be automatically called up when the PLU number is entered or via the PLU key.

Factory setting: call up via PLU key

► Enter your operating sequence in setup point **403**.

#### 5.4.2 Example

You want to

- Assign an item number from your merchandise information system as well as a PLU number to your items
- Categorize your items in groups
- Assign a VAT rate to your PLUs
- Assign a tare weight to a specific PLU

**1. Step** **Entering item contents in setup point 103**

In the example, the following item contents will be needed:

- ID1 – DESCRIPT (item number)
- ID3 – Group and VAT rate
- ID7 – Tare
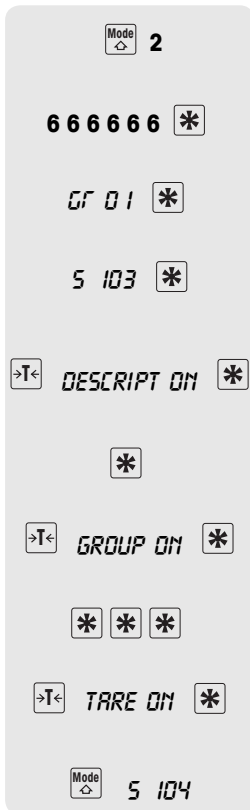
<table>
<tr><td align="right">Mode 2</td><td>1. Use the mode key to go to setup and then press 2.</td></tr>
<tr><td align="right">6 6 6 6 6 6 ✱</td><td>2. Enter password: enter the number 6 six times and confirm with the asterisk key.</td></tr>
<tr><td align="right">GR 01 ✱</td><td>3. Confirm setup group 01 with the asterisk key.</td></tr>
<tr><td align="right">S 103 ✱</td><td>4. Call up setup point 103: enter the number 3 and confirm with the asterisk key.</td></tr>
<tr><td align="right">→T← DESCRIPT ON ✱</td><td>5. Use the tare key to select ID1 DESCRIPT ON and confirm with the asterisk key.</td></tr>
<tr><td align="right">✱</td><td>6. Accept ID2 DESCRIPT ON with the asterisk key.</td></tr>
<tr><td align="right">→T← GROUP ON ✱</td><td>7. Use the tare key to select ID3 GROUP ON and confirm with the asterisk key.</td></tr>
<tr><td align="right">✱ ✱ ✱</td><td>8. Skip ID4 to ID6: to do this, press the asterisk key 3 times.</td></tr>
<tr><td align="right">→T← TARE ON ✱</td><td>9. Use the tare key to select ID7 TARE ON and confirm with the asterisk key.</td></tr>
<tr><td align="right">Mode S 104</td><td>10. Exit setup point 103 with the mode key.<br>The scale goes to the next setup point 104.</td></tr>
</table>

When you enter PLUs in setup point 101, you will be asked for the item number, group and tare.

**2. Step  Setting up groups in setup point 104**

This lets you better categorize your product range.

5 104  ✱
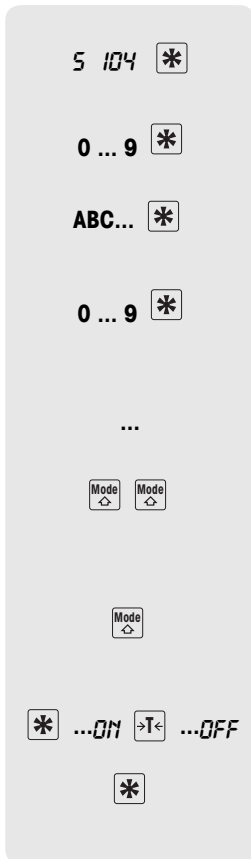
1. After finishing setup point 103, confirm setup point 104 with the asterisk key.

0 ... 9  ✱

2. Enter the desired group No. and confirm with the asterisk key.

ABC...  ✱

3. Enter the name of the group, e.g. fruit, using the keys in the left key field (refer to section 5.3.6) and confirm with the asterisk key.

0 ... 9  ✱

4. Enter the VAT rate with two decimal places, e.g. 7.00, and confirm with the asterisk key.
   With the factory settings, the VAT will be printed on the ticket.

...

5. Repeat points 2 to 4 for other groups.

Mode  Mode

6. To exit setup point 104, press the mode key 2 times.
   The scale goes to the next setup point 105.

or

Mode

▶ To enable/disable printing of the VAT on the ticket, press the mode key once.
   PRN VAT Y/N appears in the display.

✱ ...ON  →T←  ...OFF

▶ Press the asterisk key and use the tare key to toggle between PRN VAT and NOT PRN VAT.

✱

▶ Confirm the print settings with the asterisk key.
   The scale goes to the next setup point 105.

• The VAT for direct price items can be entered in group 0.
• A maximum of 20 groups can be entered.

**3. Step** **Entering PLU tare weights in setup point 111**

5 *111* ✱

1. After finishing setup point 104, call up setup point 111: enter the number 1 twice and confirm with the asterisk key.

0 ... 9 ✱

2. Enter the desired tare No. and confirm with the asterisk key.

0 ... 9 ✱

3. Enter the tare weight and confirm with the asterisk key.

or

LS

▶ Place the empty container on the scale, accept with the LS key (down arrow) and confirm with the asterisk key.

...

4. Repeat points 2 and 3 for other groups.

Mode

5. Exit setup point 111 with the mode key.
   The scale goes to the next setup point 106.

A maximum of 20 tare weights can be saved.

**4. Step**   **Entering item information (edit PLUs) in setup point 101**

After all item contents have been defined, you can start entering your item data.

$5\ I0I$ ✳   1. After finishing setup point 111, call up setup point 101: enter the number 1 and confirm with the asterisk key.

**0 ... 9** ✳   2. Enter the desired PLU No. and confirm with the asterisk key.

**0 ... 9** ✳   3. Enter the desired description (item number) and confirm with the asterisk key.

**ABC...** ✳   4. Enter the item name using the keys in the left key field and confirm with the asterisk key.

**0 ... 9** ✳   5. Enter the desired group number and confirm with the asterisk key.

$WEIGHT$ →T← $COUNT$   6. Select the price type (weight or quantity) with the tare key.

✳   7. Confirm the price type with the asterisk key.

**0 ... 9** ✳   8. Enter the unit price and confirm with the asterisk key.

**0 ... 9** ✳   9. Enter the correct tare weight and confirm with the asterisk key.

$PLU\ SAVE$ ✳   10. Confirm PLU SAVE with the asterisk key.

**...**   11. For more items, repeat steps 2 to 10.

Mode Mode Mode   12. To exit the setup mode, press the mode key 3 times.

### 5.4.2 Ticket layout

You can lay out your cash register ticket as desired. At the factory, the scale is setup so that the PLU name, unit price, weight/quantity and price appear on the ticket. You can add the following information:

```
1 → TANNER
2 → OBST UND GEMÜSE
    ******************************
3 → Ockerweg 3
    35396 Gießen
4 → Verkäufer:Susan  Bon Nr:0012 ← 8
5 → 08082008 08:08  Geräte Nr:01 ← 9
    -------------------------------
    PLU TEXT
    Kg(ST)    €/kg(ST)     €
    Karotte
    0,210     2,50       0,53
    Apfel
    2         0,45       0,90
    -------------------------------
    ST        3 Total    1,43
    -------------------------------
6 → MWSt      7 %        0,09

    Total              1,43
    Bar                5,00
    -------------------------------
    Zurück             3,57
    -------------------------------
7 → Vielen Dankf für Ihren Einkauf
         Auf Wiedersehen
```

1.  Logo - set up in setup point 225
2.  Shop name - set up in setup point 107
3.  Header - set up in setup point 109 (header/footer)
4.  Vendor name- set up in setup point 105
5.  Date and time - set up in setup point 219
6.  VAT - set up in setup point 104
7.  Footer - set up in setup point 109 (header/footer)
8.  Ticket number - set up in setup point 220
9.  Scale number - set up in setup point 217

### 5.4.3 Remarks on barcodes

**Barcode applications**
- Printing barcodes in the following formats:
  EAN 8, Code 25, EAN13, Code 39, Code 25, EAN128, UPC8, Code 13+5.
- Calling up PLUs in EAN13 and EAN8 formats with a scanner.
- Reading in tickets in EAN13 format with a scanner.
  To do this, the ECR CHECKOUT function must be enabled in setup point 442.

**Creating barcodes**

Barcodes are configured in setup point 112.

The information that your barcode should contain is defined with the following parameters:

**Barcode parameters**

| Parameter | Explanation | Note |
|---|---|---|
| 0-9 | Numbers | max. 12 digits |
| A | Item number | max. 12 digits |
| B | Amount | max. 7 digits |
| C | Checksum | 1 digit |
| N | Ticket number | 4 digits |
| P | PLU number | 4 digits |
| Q | Weight/quantity | max. 5 digits |
| W | Group no. | max. 2 digits |

**Example**   Creating EAN 13 with ID 23, 5-digit item name, 5-digit amount and checksum

1. Call up setup point 112.
2. Enter the desired barcode number and confirm with the asterisk key.
3. Select the desired barcode format, e.g. EAN 13.
4. Enter barcode parameters e.g. 23 AAAAA BBBBB C.
5. Enter the number of places the item number should be moved using the cursor keys and confirm with the asterisk key.
6. Enter the number of places the amount should be moved using the cursor keys and confirm with the asterisk key.
7. Select the checksum type using the tare key and confirm with the asterisk key.
8. Enter other barcode formats: to do this, repeat steps 2 to 7.

- After entering a barcode, select setup point 113 to create a relationship between the defined barcode format and a ticket/label.
- If a barcode format starts with two digits, then these two digits cannot be used for other formats.
- Entering a positive number under the sub-points A shift, B shift … means moving to the right, a negative number means moving to the left.

**Linking the barcode format to the ticket or label.**

**Example**   Barcode 3 should be printed on ticket format 1.

1. Call up setup point 113.
2. Select the ticket or label type using the tare key and confirm with the asterisk key.
3. Select the ticket format using the tare key, e.g. format 1, and confirm with the asterisk key.
4. Select the desired barcode using the tare key, e.g. barcode 3, and confirm with the asterisk key.
5. To exit the setup mode, press the mode key repeatedly until the weight display appears.

- In order for the barcode to be printed, "PRN BARCODE" must be selected in setup point 223.
- The item number cannot be printed as a barcode on tickets with several entries.

ℹ

**Reading in barcodes with a scanner**
• You can read in PLUs as barcodes using a scanner.
• You can read in complete entries incl. the price as a barcode using the scanner. Please note the following:
  − Setup point 442 "ECR CHECKOUT" must be enabled.
  − Only barcode format EAN 13 is allowed.
  − Only one vendor can be active.

### 5.4.4 Granting a discount

Discounts can be granted in two different ways:
• manually using the discount key and
• automatically after entering the discount parameters in setup point 116.

In setup point 116, the scale provides several ways of defining an automatic discount:
• Discount promotion for a specific period of time
• Discounts on individual PLUs
• Discounts on individual groups
• Discounts on all items
• Discounts on the total sum
• Quantity discounts

**Example** You want to grant a 5 % discount on veal cutlet for weights over 500 g from 10.01.2008 until 14.01.2008. The promotion will start on January 10 at 8:30 a.m. and end on January 14 at 6:30 p.m.

1. Call up setup point 116 and sub-point DISCPROMO with the asterisk key.
2. Enter the starting date of the discount promotion in the following order: day, month, year and confirm with the asterisk key.
3. Enter the time the discount promotion shall start in the following order: hour, minute, second and confirm with the asterisk key.
4. Enter the date when the discount promotion ends and confirm with the asterisk key.
5. Enter the time the discount promotion should end and confirm with the asterisk key.
6. Use the tare key to scroll to the sub-point PLU and confirm with the asterisk key.
7. Enter the PLU number of the item to be discounted and confirm with the asterisk key.
8. Enter the discount rate and confirm with the asterisk key.
9. Enter the minimum weight for which the discount will be granted (condition) and confirm with the asterisk key.

### 5.4.5 Overview of setup group 1

- For access and navigation in setup, refer to section 5.3.1.
- For entering text, refer to section 5.3.3.
- Factory settings are indicated in **bold** print.

| No. | Display | Description | Notes |
|-----|---------|-------------|-------|
| 101 | **PLU EDIT** | **Enter PLUs** | |
| | PLU NUMBER | Enter desired PLU number | Possible values: 1 … 9999 |
| | PLU NAME | Enter PLU name | Max. 15 characters |
| | BY WEIGHT/BY COUNT | Select price by weight or item price | Select with the tare key |
| | UNIT PRICE | Enter unit price | |
| | PLU SAVE/ PLU ABORT | Save or cancel inputs | Select with the tare key |
| | | Depending on the settings in point 103, more parameters can appear here. Then, either enter the next PLU or use the mode key to go to the next setup point. | |
| 102 | **PRICE CHANGE** | **Change the prices of existing PLUs** | |
| | PLU NUMBER | Select desired PLU number | Enter number or scroll through with the tare key or X key. |
| | UNIT PRICE | Enter new price | |
| | | Then, either change the next PLU or use the mode key to go to the next setup point. | |
| 103 | **PLU CONTENT** | **Define the contents of a PLU that should be printed** | |
| | ID1 DESCR NO. | Switch working with additional item number on and off, e.g. numbers from the merchandise information system | Factory setting: **NO** |
| | ID2 DESCRIPTION | Switch item description on/off | Factory setting: **on** |
| | ID3 GROUP | Switch group on/off | Factory setting: **NO** |
| | ID4 PRICE | Switch unit price on/off | Factory setting: **on** |
| | ID5 QUANTITY | Switch quantity by piece or weight on/off | Factory setting: **on** Only for USA |
| | ID6 FIX WT | Switch working with a fixed tare weight on/off | Factory setting: **NO** |
| | ID7 TARE NO. | Switch tare number on/off | Factory setting: **NO** |
| | ID8 SELL BY * | Switch sell by date on/off | Factory setting: **NO** |
| | ID9 BEST BEFORE * | Switch best before date on/off | Factory setting: **NO** |
| | ID10 LABEL NO. * | Switch ticket No. assignment on/off | Factory setting: **NO** |
| | ID11 EXTRA TEXT * | Switch extra text on/off | Factory setting: **NO** |
| | * | These functions can only be used when the scale is equipped with a network license. Contact your sales representative. | |

Setup

| No. | Display | Description | Notes |
|---|---|---|---|
| **104** | **GROUP EDIT** | **Create group** | |
| | GROUP NO. | Enter the desired group number | Possible values: 1 … 20 |
| | GROUP NAME | Enter the name of the group | Max. 20 characters |
| | INPUT VAT | Enter the value added tax | Enter with two decimal places, e.g. 7.00 % |
| | | Then, either create the next group or continue with the mode key. | |
| | **PRN VAT Y/N** | Print the VAT on the ticket | |
| | PRN VAT/NOT PRN VAT | Switch printing of the VAT on the ticket on/off | Factory setting: on |
| **105** | **VENDOR EDIT** | **Enter vendor** | |
| | VENDOR NO. | Enter vendor number | Max. 8 vendors |
| | VENDOR NAME | Enter vendor name | Max. 20 characters |
| | | Then, either enter the next vendor or use the mode key to go to the next setup point. | |
| **106** | **DATE/TIME** | **Setting date and time** | |
| | DD-MM-YY | Enter day, month, year | Enter date and time in the displayed format |
| | HH-MM-SS | Enter hours, minutes, seconds | |
| **107** | **SHOP EDIT** | **Enter shop data** | |
| | SHOP EDIT | Enter name, address, … | Max. 9 lines with 25 characters each |
| **108** | **SCALE NO.** | **Scale number(when the scale is connected to a network)** | |
| | SCALE NO. | Enter the scale number | Possible values: 1 … 99 |
| **109** | **HEAD/FOOTER** | **Enter the text for the ticket header and footer** | |
| | HEADER | Enter the header text for the ticket | Max. 9 lines with 33 characters each |
| | FOOTER | Enter the footer text for the ticket | |
| **111** | **TARE EDIT** | **Enter known tare weights** | |
| | TARE NO. | Enter the tare number | Possible values: 1 … 20 |
| | TARE | Enter the corresponding tare weight **or** place the empty container on the scale and accept with ↓ | Tare < scale capacity |
| | | Then, either enter the next tare weight or use the mode key to go to the next setup point. | |

| No. | Display | Description | Notes |
|-----|---------|-------------|-------|
| **112** | **BARCODE** | **Create barcodes** | |
| | BAR | Enter barcode number | Possible values: 1 … 12 |
| | EAN 13/… | Select the desired barcode format using the tare key and enter barcode text | Refer to section 5.3.3 |
| | A SHIFT | Move the item number | Possible values: -12 … +12 |
| | B SHIFT | Move the amount | Negative values: to the left |
| | Q/W SHIFT | Move the unit price per weight | Positive values: to the right |
| | Q/Q SHIFT | Move the item price | |
| | C PARITY | Select 1 (uneven) or 2 (even) using the tare key | |
| | | Then, either enter the next barcode or use the mode key to go to setup point 113 to assign the entered barcode formats to a ticket/label. | |
| **113** | **BAR C VS T/L** | **Assign entered barcodes to the ticket or label.** | |
| | LABEL*/TICKET | Select label or ticket | |
| | | Enter label/ticket | |
| | BARCODE | Enter relevant barcode number | Barcodes are defined in setup point 112. Printing of barcodes must be activated in setup point 223. |
| | * | It is only possible to print labels when the scale has a network license. Contact your dealer. | |
| | | Then, either enter the next label/ticket or use the mode key to go to the next setup point. | |
| **116** | **DISCOUNT ITEMS** | **Enter discount promotion** | |
| | **DISCPROMO** | **Enter a promotion which automatically grants a discount** | |
| | FROM DD-MM-YY | Start of discount: Day, Month, Year | |
| | FROM HH-MM-SS | Start of discount: Hours, Minutes, Seconds | |
| | TO DD-MM-YY | End of discount: Day, Month, Year | |
| | TO HH-MM-SS | End of discount: Hours, Minutes, Seconds | |
| | ALL ITEMS | Same discount for all items | |
| | PERCENT* | Enter discount in percent | |
| | GROUP | Discount by group | |
| | GRP | Enter group | |
| | PERCENT* | Enter discount in percent | |
| | | Then, either enter the next group or use the mode key to go to the next setup point. | |

| No. | Display | Description | Notes |
|-----|---------|-------------|-------|
| | PLU | Discount for individual PLUs | |
| | NO. | Enter PLU number | |
| | PERCENT */ NEW PRICE | Discount / enter new price | |
| | CONDITION | Min. quantity to receive discount | |
| | | Then, either process the next PLU or use the mode key to go to the next setup point. | |
| | TOTAL | Discount on the total sum | |
| | PERCENT* | Enter discount in percent | |
| | CONDITION | Min. quantity to receive discount | |
| | CLEAR ALL | Delete all discount settings | |
| | SAVE YES/NO | Confirmation prompt | |
| | * | Enter with two decimal places, e.g. 3.00 % | |
| | **DISC KEY** | **Discount will only be granted in specific cases using the DISC key** | |
| | PLU + TOTAL | Discount possible on PLU and total sum | |
| | PLU ONLY | Discount only possible on PLUs | |
| | TOTAL ONLY | Discount only possible on total sum | |
| | DISABLE | Not possible to grant discount using the DISC key | |
| **122** | **PRINT PLU** | **Print out a list of the PLUs entered** | |
| | FROM … | Enter the starting value | |
| | TO … | Enter the final value | |

Setup

### 5.5 Setup group 2

#### 5.5.1 Printing tips
You can optimize the printer settings to fit your operating sequences.

**Stub** When printing with stubs (setup point 205), the scale prints a total ticket for your files as well as a customer ticket.

**Save paper / protect thermal bar** In setup points 216 to 231, you can set up the exact information that should be printed on your ticket.

If you have entered settings in another group, here you can make sure these are also printed out.
E.g. after a logo is loaded, printing of the logo must be activated in setup point 225.

#### 5.5.2 Overview of setup group 2

| No. | DISPLAY | Description | Notes |
|---|---|---|---|
| **201** | **RESTORE DEF** | **Restore the factory settings for group 2** | |
| | DEFAULT YES/NO | Should the settings should be restored, yes or no | |
| **203** | **PRINT T** | **Select when the ticket should be printed** | |
| | PRINT TICKET | The ticket is only printed after the transaction is completed | Factory setting |
| | WEIGHING T | Only weighing goods are printed; if piece goods are sold separately, then there is no printout | |
| **205** | **STUB ?** | **Enable/disable printing of stub** | |
| | NO STUB | Stub will not be printed | Factory setting |
| | SIMPLE | Ticket total will be printed as a ticket | |
| | DETAIL | Stub will be printed | |
| **206** | **PRN COPY** | **Enable/disable printing of a copy of the ticket (ticket)** | |
| | NO COPY | Print copy of ticket | Factory setting |
| | PRINT COPY | Do not print copy of ticket | |
| **207** | **PRN METHOD** | **Set up printing method** | |
| | ONE TIME PRN | Print ticket at the end of the transaction | Factory setting |
| | LINE BY LINE | Ticket printed out line by line | Only possible when using one vendor |

| No. | DISPLAY | Description | Notes |
|-----|---------|-------------|-------|
| **216** | **AFTER DESCRP** | **Print additional item information** | |
| | EMPTY | Leave field empty | Factory setting |
| | ITEM NO | Print item number | The item number is ID1 in setup point 103 |
| | PLU | Print PLU number | |
| **217** | **PRN SCALE #?** | **Print scale number on the ticket** | |
| | NOT PRN S | Print scale number | Factory setting |
| | NOT PRN S NO | Do not print scale number | |
| **218** | **PRN VENDOR** | **Print vendor number on the ticket** | |
| | PRN VENDOR | Print vendor name | Factory setting |
| | NOT PRN VEND | Do not print vendor name | |
| **219** | **PRN DATE** | **Print date and time on ticket** | |
| | PRN DATE | Print date and time | Factory setting |
| | NOT PRN DATE | Do not print date and time | |
| **220** | **PRN S/N** | **Print ticket number on the ticket** | |
| | PRN S/N | Print ticket number on the ticket | Factory setting |
| | NOT PRN S/N | Do not print ticket number on the ticket | |
| **222** | **PRN CHG** | **Print the customer change** | |
| | PRN CHG | Print customer's change on the ticket | Factory setting |
| | NOT PRN CHG | Do not print customer's change on the ticket | |
| **223** | **PRN BARCODE** | **Print barcode on the ticket** | |
| | NOT PRN BAR | Do not print barcode on the ticket | Factory setting |
| | FRANCE BAR C | Print the French barcode which has FRF and not EUR | Barcodes are set up in setup points 112 and 113 |
| | PRN BARCODE | Print barcode | |
| **224** | **PRN VOID** | **Print void data on the ticket** | |
| | PRN VOID | Print the void data | Factory setting |
| | NOT PRN VOID | Do not print void data | |
| **225** | **PRN LOGO** | **Print the shop logo** | |
| | NOT PRN LOGO | Do not print the logo | Factory setting |
| | PRN LOGO | Print logo | |
| **230** | **TARE PRN** | **Print tare weight on the ticket** | |
| | NO TARE PRN | Do not print tare weight | Factory setting |
| | PRN TARE | Print tare weight | |
| **231** | **PRN SUM ROUND** | **Rounding** | Rounding is set up in setup point 430 |
| | PRN ROUND | Print rounded prices | Factory setting |
| | NO ROUNDING | Print prices with all decimal places | |

### 5.6 Setup group 3

In this group, item data can be deleted and additional functions can be enabled with licenses.

#### 5.6.1 Licensing

You can add functions to your scale with one of the following licenses:

**Battery license**
- Battery operation for mobile use

**Network license**
- Enable the integrated operation function
- Group 10 functions (label printing, self-service …)

#### 5.6.2 Overview of setup group 3

| No. | DISPLAY | Description | Notes |
|-----|---------|-------------|-------|
| **301** | **DELETE PLU** | **Delete one or more PLUs** | |
| | DEL FROM---- | Enter the starting value | |
| | DEL TO------ | Enter the final value | |
| | SURE NO/YES | Confirmation prompt before deletion | |
| **302** | **DEL GROUP** | **Delete group** | |
| | DEL FROM---- | Enter the starting value | |
| | DEL TO------ | Enter the final value | |
| | SURE NO/YES | Confirmation prompt before deletion | |
| **305** | **RESET SCALE** | **Restore the scale's factory settings** | |
| | SURE NO/YES | Confirmation prompt before deletion | **Caution**: RESET SCALE deletes all your settings. E.g. PLUs, GRP, formats … |
| **306** | **PID LID** | **Licensing for the battery and network options** | |
| | MAINBOARD NO. | Display mainboard number | |
| | LICENSE | Display license number | 1: no option enabled<br>7: options enabled |
| | PID | Display 20-digit product ID | Tell your handler the PID when an option is required. |
| | LID | Display 20-digit license ID | You get the LID from your dealer |
| **307** | **DEL LOG** | **Delete log file** | |
| | SURE NO/YES | Confirmation prompt before deletion | The scale logs all entries in the log file. |

### 5.7 Setup group 4

#### 5.7.1 Operating sequences

Your retail scale can be set up to handle your everyday business processes.

**Training mode (446)**  When the training mode is activated, you can train your employees on the scale without affecting existing reports.

**Basket function (447)**  Your customers bring their own baskets with them to pick fruit themselves in one of your fields. The basket function helps you save up to 999 tare weights and then call them up again later when weighing the goods. Also refer to section 4.9

**Set up vendor (409)**  Define the number of vendors you have.

**Load a PLU (403)**  Define whether you want to enter a PLU directly or by confirming it with the PLU key.

### 5.7.2 Overview of setup group 4

| No. | DISPLAY | Description | Notes |
|-----|---------|-------------|-------|
| 401 | **RESTORE DEF** | **Restore factory settings** | |
| | DEFAULT NO I YES | Restore the factory settings, yes or no | |
| 402 | **CALL PLU TYPE** | **Call up the PLU by PLU number or item number** | |
| | BY PLU | Select by PLU number | Factory setting |
| | BY ITEM NO | Select by item number | To do this, the item number must be enabled as ID1 in setup point 103. |
| 403 | **LOAD PLU TYPE** | **Method to call up the PLU** | |
| | BY PLU KEY | Confirm the PLU number with the PLU key | Factory setting |
| | AUTO LOAD | Automatically call up the PLU when the PLU number is entered | |
| 404 | **PRINT EDIT** | **Print the group 1 data** | |
| | PRINT YES | Print data after it is entered | Factory setting |
| | PRINT NO | Do not print data | |
| 405 | **PRESET PLU** | **Assign PLUs to a preset key** | |
| | 1 PLU | Assign one PLU to a preset key | Factory setting |
| | 2 PLU | Assign two PLUs to a preset key | Refer to section 4.10. |
| 406 | **PRICE CHANGE** | **Enable PLU price change** | |
| | PRC CHG NO | Do not enable PLU price change | Factory setting |
| | PRC CHG YES | PLU price change is enabled in setup point 102 | Price change process: call up the PLU, press the PLU key again and enter the new price. |
| 408 | **HAND PRICE** | **Enable manual entry of the price - working without PLUs** | |
| | HAND PRICE 0 | Manual entry enabled | Factory setting |
| | HAND PRICE 1 | Manual entry disabled | |
| 409 | **VENDOR QTY** | **Define number of vendors** | |
| | HANDLER | Enter the number of vendors who work with the scale | Max. 8 vendors |
| 411 | **TARE/P CLEAR** | **Delete tare** | |
| | CLEAR AUTO | Tare and price are automatically cleared when there is no weight on the scale | Factory setting |
| | CLEAR MANUAL | Tare and price must be manually cleared | |
| | FIX T W/O P | Fixed tare, price will be automatically cleared after the entry is registered | |

| No. | DISPLAY | Description | Notes |
|---|---|---|---|
| **412** | **SLEEP MODE** | **Enable the sleep mode when there is no change in weight** | |
| | NO SLEEP | Do not enable the sleep function | Factory setting |
| | 3M LATER | Enable the sleep function after three minutes | If there is no change in weight for 3 minutes, then the date and time appear in the display. |
| **413** | **LIGHT TYPE** | **Turn on the background lighting** | |
| | LIT AS REQUI | The background lighting turns on when there is a change in weight or a key is pressed | Factory setting |
| | ALWAYS | Background lighting is always on | |
| **414** | **ST** | **Allow refunds** | |
| | ST YES | Allow refunds | Factory setting |
| | REF NO | Do not allow refunds | |
| **415** | **VOID** | **Void** | |
| | VOID YES | Allow voiding | Factory setting |
| | VOID NO | Do not allow voiding | |
| **416** | **QTY SOLD** | **Quantity of this item sold** | |
| | | Function not available in Europe | |
| **430** | **ROUND CONFIG** | **Configure rounding** | To print rounded prices, PRN ROUND must be enabled in setup point 231. |
| | **SUM ROUND** | **Rounding of the total price when totalling** | |
| | NO ROUND | No rounding | Factory setting |
| | ROUND TO 0/5 | Round to 0.05 | |
| | 4 CUT 5 UP | Round down numbers 1 to 4 Round up numbers 5 to 9 | |
| | ROUND UP | Round up the last decimal place | |
| | **PRICE ROUND** | **Rounding of the given PLU's unit price** | |
| | NO ROUND | No rounding | Factory setting |
| | ROUND TO 0/5 | Round to 0.05 | |
| | 4 CUT 5 UP | Round down numbers 1 to 4 Round up numbers 5 to 9 | |
| | ROUND UP | Round up the last decimal place | |
| | 1/4 ROUND | Round to 0.25 | |
| | **TOTAL ROUND** | **Rounding of individual items** | |
| | | Settings as under **PRICE ROUND** | |

| No. | DISPLAY | Description | Notes |
|-----|---------|-------------|-------|
| **431** | **CUT CONFIG** | **Standard rebate on the total price** | |
| | SUM CUT | Rebate on the total sum | |
| | TOTAL CUT | Rebate on individual items | |
| | NO CUT DEFAULT | No standard rebate on the total price | Factory setting |
| | CUT TO X.XX | Maintain two decimal places | To do this, CUT AUTO must be enabled in setup point 432. |
| | CUT TO X.X0 | Delete last decimal place | |
| | CUT TO X.00 | Delete all decimal places | |
| **432** | **CUT EFFECT** | **Grant rebate** | |
| | CUT BY KEY | By pressing the minus key | Factory setting<br>To do this, KEY ENABLE must be enabled in setup point 433. |
| | CUT AUTO | Automatic | |
| **433** | **CUT KEY** | **Minus key** | |
| | KEY ENABLE | Minus key enabled | Factory setting |
| | KEY DISABLE | Minus key disabled | |
| **434** | **CUT CHANGE** | **Rebate by increasing customer change** | |
| | CUT CHG NO | No rebate correction | |
| | CUT CHG YES | Rebate correction possible | Rebates can be granted and then corrected before the entry is completed. |
| **438** | **PRINT SPEED** | **Set up the printing speed** | |
| | SPEED FAST | Fast printing speed | Factory setting |
| | SPEED FASTER | Very fast printing speed | |
| | SPEED NORMAL | Normal printing speed | |
| **439** | **CONTRAST** | **Set up print contrast** | |
| | CONTRAST 0–8 | Set up the print contrast between 0 and 8 | Factory setting: **4** |
| **440** | **FIRST DAY TYPE** | **Define the first day of the week** | |
| | MONDAY | The first day of the week is Monday | Factory setting |
| | SUNDAY | The first day of the week is Sunday | |
| **441** | **FILTER TYPE** | **Set up the scale sensitivity** | |
| | FILT NORMAL 1 | Normal sensitivity | Factory setting |
| | FILT MIDDLE  2 | Medium sensitivity | The higher the sensitivity setting, the more accurate, but slower the scale is. |
| | FILT HEAVY 3 | High sensitivity | |
| | FILT VERY HEAVY 4 | Highest sensitivity | |
| | FILT LIGHT 0 | Low sensitivity | |
| **442** | **ECR CHECKOUT** | **Enable cash drawer** | |
| | ECR CKO NO | Disable cash drawer | Factory setting |
| | ECR CKO YES | Enable cash drawer | |

| No. | DISPLAY | Description | Notes |
|-----|---------|-------------|-------|
| **443** | **MULTI-PAY** | **Allow different payment methods** | |
| | CASH ONLY | Only allow cash payments | Factory setting |
| | MULTI-PAY | Allow different payment methods | Payment by credit card, cheque or voucher, refer to section 4.8 |
| **444** | **BASKET FUNC** | **Basket function** | |
| | NOT PERMIT/PER-MIT | Enable basket function, yes or no | Save and call up container weight, refer to section 4.8 |
| **445** | **TM KEY** | **Manual tare input for known tare using the P key** | |
| | NOT PERMIT | Disable manual tare input | Factory setting |
| | PERMIT | Enable manual tare input | Sequence: Press the P key. Enter tare and again press the P key. NET appears in the display. |
| **446** | **TRAINING** | **Enable/disable training mode** | |
| | TRAINING OFF | Switch off training mode | Factory setting |
| | TRAINING ON | Switch on training mode | |
| **450** | **PLU CONFIG** | **Configure PLU** | |
| | NUMBER OF PLUS | Define the number of PLUs | Max. 1000 PLUs |
| | NUM OF LOGS | The number of logs is displayed | The more PLUs there are, the fewer logs can be saved. |
| | SAVE NO/YES | Confirmation prompt before saving | |
| **451** | **SAVE LOG** | **Save log file** | |
| | SAVE AUTO | Save automatically | Factory setting When the maximum number of logs has been reached, the oldest entry will be overwritten. |
| | SAVE MANUAL | Save manually | |
| | NOT SAVE | Do not save | |

## 5.8 Setup group 5

This group can only be accessed by the service engineer.

Only exception: setup point 518 - language settings

| No. | DISPLAY | Description |
|-----|---------|-------------|
| **518** | **SET LANGUAGE** | **Set up language** |
| | DEFAULT | English |
| | ENGLISH | English |
| | CHINESE | Chinese |
| | FRENCH | French |
| | GERMAN | German |
| | SPANISH | Spanish |
| | ITALIAN | Italian |
| | HUNGARIAN | Hungarian |
| | POLISH | Polish |
| | CZECH | Czech |
| | CROATIAN | Croatian |
| | DUTCH | Dutch |
| | SLOVAK | Slovak |
| | SLOVENIAN | Slovenian |
| | GREEK | Greek |
| | DENMARK | Danish |
| | SWEDEN | Swedish |
| | NORWAY | Norwegian |
| | FINLAND | Finnish |

- Display text and printouts are available in German, English, French, Spanish and Italian.
- For all other languages, only the printouts are localised. Display text is shown in English.
- Danish, Swedish, Norwegian and Finnish are in process.
- Languages will be updated regularly.

### 5.9 Setup group 6

The scale assists you with evaluations. In this group you set up your reports.

- Reports can be printed on the scale or transferred to a PC.
- If a report is printed on the scale, another report can be selected afterwards or the printed report can be deleted.

| No. | DISPLAY | Description | Notes |
|---|---|---|---|
| **601** | **RESTORE DEF** | **Restore factory settings** | |
| | DEFAULT YES/NO | Restore the factory settings, yes or no | |
| **602** | **SALES REPORT** | **Create sales report** | |
| | **TODAY** | **Create a sales report for this day** | |
| | DETAIL/SIMPLE REPORT | Create detailed/simple report for today's sales | |
| | PRINT / NOT PRINT | Print the report, yes or no | |
| | ANOTHER YES/NO | Create other reports, yes or no | YES: go to 603<br>NO: go to DEL REPS |
| | DEL REPS NO/YES | Delete all reports created, yes or no | |
| | SURE NO/YES | Confirmation prompt before deletion | |
| | **LAST VALID** | **Sales for the time period since the last sales report** | If available, the date of the last report will be displayed. |
| | | Further settings as under **TODAY** | |
| | **TOTAL** | **Sales report covering all registered entries in the log file** | |
| | | Further settings as under **TODAY** | |
| | **ALL** | **Summary of all sales reports**<br>(today + last valid + total) | |
| | | Further settings as under **TODAY** | |

| No. | DISPLAY | Description | Notes |
|-----|---------|-------------|-------|
| **603** | **PLU REPORT** | **Create report for all PLUs** | |
| | **TODAY** | **Report about PLUs used today** | |
| | ALL PLUS | Create report for all PLUs | |
| | FROM … TO PLU NO. | Create a report for a range of PLUs | Enter the beginning and end values. |
| | SORT BY SUM/PLU | Sort by amount/PLU number | |
| | PRINT / NOT PRINT | Print the report, yes or no | |
| | ANOTHER YES/NO | Create other reports, yes or no | YES: go to 604 NO: go to DEL REPS |
| | DEL REPS NO/YES | Delete all reports created, yes or no | |
| | SURE NO/YES | Confirmation prompt before deletion | |
| | **LAST VALID** | **PLU report for the time period since the last PLU report** | If available, the date of the last PLU report will be displayed. |
| | | Further settings as under **TODAY** | |
| | **TOTAL** | **PLU report covering all registered entries in the log file** | |
| | | Further settings as under **TODAY** | |
| | **ALL** | **Summary of all PLU reports** (today + last valid + total) | |
| | | Further settings as under **TODAY** | |
| **604** | **PROMOTION REPORT** | **Create discount report** | |
| | | Refer to 603 | |
| **605** | **GROUPS RPT** | **Create group report** | |
| | **TODAY** | **Report covering all groups used today** | |
| | ALL GROUPS | Create report covering all groups | |
| | FROM … TO GRP NO. | Create a report for a range of groups | Enter the beginning and end values. |
| | SORT BY SUM/GRP | Sort by amount/number | |
| | SIMPLE/DETAIL REPORT | Create simple/detail report for the current groups | |
| | PRINT / NOT PRINT | Print the report, yes or no | |
| | ANOTHER YES/NO | Create other reports, yes or no | YES: go to 607 NO: go to DEL REPS |
| | DEL REPS NO/YES | Delete all reports created, yes or no | |
| | SURE NO/YES | Confirmation prompt before deletion | |
| | **LAST VALID** | **Group report for the time period since the last group report** | If available, the date of the last group report will be displayed. |
| | | Further settings as under **TODAY** | |
| | **TOTAL** | **Group report covering all registered entries in the log file** | |
| | | Further settings as under **TODAY** | |

| No. | DISPLAY | Description | Notes |
|-----|---------|-------------|-------|
| **605** | **ALL** | **Summary of all group reports**<br>(today + last valid + total) | |
| | | Further settings as under **TODAY** | |
| **607** | **HOURLY RPT** | **Create hourly report** | |
| | **TODAY** | **Create report on the hourly sales today** | |
| | PRINT /<br>NOT PRINT | Print the report, yes or no | |
| | ANOTHER YES/NO | Create other reports, yes or no | YES: go to 611<br>NO: go to DEL REPS |
| | DEL REPS NO/YES | Delete all reports created, yes or no | |
| | SURE NO/YES | Confirmation prompt before deletion | |
| | **LAST VALID** | **Hourly report since the last valid report** | |
| | | Further settings as under **TODAY** | |
| | **TOTAL** | **List of all registered hourly reports in the log file** | |
| | | Further settings as under **TODAY** | |
| | **ALL** | **Summary of all hourly reports**<br>(today + last valid + total) | |
| | | Further settings as under **TODAY** | |
| **610** | **ST/RETN RPT** | **Create refund report** | |
| | | Refer to 605 | |
| **611** | **VENDOR RPT** | **Create vendor report** | |
| | **TODAY** | **Report of the vendor's transactions today** | |
| | ALL VENDORS | Create report for all vendors | |
| | FROM …<br>TO VENDOR NO. | Create a report for a range of vendors | Enter the number of the first and last vendor. |
| | BY SUM / BY VEN | Sort by amount/vendor number | |
| | SIMPLE RPT /<br>DETAIL RPT | Create simple/detail report for the vendors | |
| | PRINT /<br>NOT PRINT | Print the report, yes or no | |
| | ANOTHER YES/NO | Create other reports, yes or no | YES: go to 613<br>NO: go to DEL REPS |
| | DEL REPS NO/YES | Delete all reports created, yes or no | |
| | SURE NO/YES | Confirmation prompt before deletion | |
| | **LAST VALID** | **Vendor report for the time period since the last vendor report** | If available, the date of the last vendor report will be displayed. |
| | | Further settings as under **TODAY** | |
| | **TOTAL** | **Overview of all registered vendor reports in the log file** | |
| | | Further settings as under **TODAY** | |
| | **ALL** | **Summary of all vendor reports**<br>(today + last valid + total) | |
| | | Further settings as under **TODAY** | |

| No. | DISPLAY | Description | Notes |
|-----|---------|-------------|-------|
| **613** | **WEEKLY RPT** | **Create weekly report** | |
| | PRINT / NOT PRINT | Print the report, yes or no | |
| | ANOTHER YES/NO | Create other reports, yes or no | YES: go to 616<br>NO: go to DEL REPS |
| | DEL REPS NO/YES | Delete all reports created, yes or no | |
| | SURE NO/YES | Confirmation prompt before deletion | |
| **616** | **COMBINE RPT** | **Create combined report from report 602 to 614** | |
| | 602 YES/NO | Include sales report, yes or no | |
| | 603 YES/NO | Include PLU report, yes or no | |
| | 605 YES/NO | Include group report, yes or no | |
| | 607 YES/NO | Include hourly report, yes or no | |
| | 610 YES/NO | Include refund report, yes or no | |
| | 611 YES/NO | Include vendor report, yes or no | |
| | 613 YES/NO | Include weekly report, yes or no | |
| | 618 YES/NO | Include basket report, yes or no | |
| | PRINT / NOT PRINT | Print the report, yes or no | |
| | ANOTHER YES/NO | Create other reports, yes or no | YES: go to 617<br>NO: go to DEL REPS |
| | DEL REPS NO/YES | Delete all reports created, yes or no | |
| | SURE NO/YES | Confirmation prompt before deletion | |
| **617** | **LOG** | **Create log** | |
| | **SALES LOG** | **Create sales log** | |
| | FROM … TO T NO. | Create log for a range of tickets | Enter the beginning and end values. |
| | PRINT/NOT PRINT | Print the report, yes or no | |
| | **PROMOTE LOG** | **Create log for automatic discounts** | |
| | | Further settings as under **SALES LOG** | |
| | **ST/VOID LOG** | **Create log of refunds** | |
| | | Further settings as under **SALES LOG.** | |
| **618** | **BASKET RPT** | **Report for the basket function** | |
| | PRINT / NOT PRINT | Print the report, yes or no | |
| | DELETE NO/YES | Delete the report, yes or no | |
| | ANOTHER YES/NO | Create other reports, yes or no | YES: go to 616<br>NO: go to DEL REPS |
| | DEL REPS NO/YES | Delete all reports created, yes or no | |
| | SURE NO/YES | Confirmation prompt before deletion | |

Setup

| No. | DISPLAY | Description | Notes |
|---|---|---|---|
| 622 | **VAT REPORT** | **Create value added tax report** | |
| | **TODAY** | **Create VAT report for this day** | |
| | PRINT / NOT PRINT | Print the report, yes or no | |
| | ANOTHER YES/NO | Create other reports, yes or no | YES: go to 623 NO: go to DEL REPS |
| | DEL REPS NO/YES | Delete all reports created, yes or no | |
| | SURE NO/YES | Confirmation prompt before deletion | |
| | **LAST VALID** | **VAT report for the time period since the last VAT report** | If available, the date of the last VAT report will be displayed. |
| | | Further settings as under **TODAY** | |
| | **TOTAL** | **VAT report for all registered entries** | |
| | | Further settings as under **TODAY** | |
| | **ALL** | **Summary of all VAT reports** | |
| | | Further settings as under **TODAY** | |
| 623 | **DEL REPORT** | **Automatic deletion of all reports except for weekly, monthly and annual reports** | |
| | SURE NO/YES | Confirmation prompt | |
| 624 | **DEL ALL REPT** | **Delete all reports** | |
| | SURE NO/YES | Confirmation prompt before deletion | |
| 625 | **DEL AU/MA** | **All reports automatically deleted each day at 0:00 a.m.** | |
| | RPT DEL AUTO | Automatically delete report | |
| | RPT DEL MANU | Manually delete report | |
| | SURE NO/YES | Confirmation prompt | |

### 5.10 Setup group 7

In this group, you enter the settings for communicating with a computer/scanner or for operating the scale in a scale network (integrated operation function).

The integrated operation function can only be enabled with a network license. Please contact your sales representative.

#### 5.10.1 Connect the scale to a computer.

The computer connection lets you download item data and formats from the computer or upload them to the computer for further processing. Please contact your sales representative.

#### 5.10.2 Connecting a scanner

To quickly and accurately read in PLUs, you can use a scanner.
To connect a scanner to the scale, please contact your sales representative.

#### 5.10.3 Integrated operation in a scale network

You have an extensive range of cold cuts and cheese and want to set up more than one scale on the counter. A network of up to 10 scales lets your vendors enter items on several scales and then complete the transaction on one of the scales used. In this case, one of the scales functions as the master, all the others are slaves. The item data and settings are transferred from the master scale to the slave scales and are therefore available to all scales.

The integrated operation function saves your vendors time and lets you serve your customers faster.

**Required accessories**
- 2 scales can be connected directly with a commercially available CAT5 cross cable via the Ethernet interface.

- For a network of more than 2 scales, a hub must be used.

**HUB**
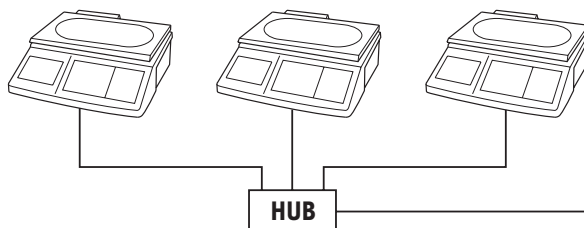
### Setting up a scale network

**Configure scale 1 (master)**

1. On scale 1, select setup point 702 and confirm with the asterisk key.
2. Confirm "Host" with the asterisk key.
3. Enter IP address 192030007001 and confirm with the asterisk key.
4. Enter network mask 255255248000 and confirm with the asterisk key.
5. Call up setup point 703 and confirm with the asterisk key.
6. Use the tare key to select "FV Master" and confirm with the asterisk key.
7. Press the mode key twice to exit the setup mode.
8. Turn off the scale.

- Each scale in the network needs its own IP address.
- All scales in the network need the same network mask.
- If scales in an existing network need to be connected to other computers, then the network mask and IP address must be coordinated with the network. Ask your network administrator.

**Configure scale 2 and others (slaves)**

1. On scale 2, select setup point 702 and confirm with the asterisk key.
2. Confirm "Host" with the asterisk key.
3. Enter a different IP address as for scale 1, e.g. 192030007002, and confirm with the asterisk key.
4. Enter the same network mask 255255248000 and confirm with the asterisk key.
5. Press the mode key to go to setup point 703.
6. Call up setup point 703 and confirm with the asterisk key.
7. Use the tare key to select "FV Slave" and confirm with the asterisk key.
8. Press the mode key twice to exit the setup mode.
9. Turn off the scale.
10. For more slaves, repeat steps 1 to 9.

**Connect scales**

1. Connect the scales via the Ethernet interface with cross cables. For more than 2 scales, use a hub.
2. Turn on the master.
   The following symbol appears on the display: .
3. Turn on the slave(s).
   The following symbol appears on each display: .

The data in the master is transferred to the slave(s).

**Working with integrated operation**

**Example**  Vendor 5 sells meat on scale 1, cold cuts on scale 2 and cheese on scale 3.

1. Enter the meat on scale 1 with V5.
2. Enter the cold cuts on scale 2 with V5.
3. Complete the transaction on any of the scales with V5 as described in working with several vendors.

- In a scale network, the master scale always has to be turned on first, and then the slaves.
- When working in the integrated operation network, not all setup functions are active.
- If you have questions or problems, please contact your sales representative.

### 5.10.4 Overview of setup group 7

Factory settings are indicated in **bold** print.

| No. | DISPLAY | Description | Possible settings |
|---|---|---|---|
| **701** | **RS-232** | **Configure COM 1 and COM 2** | |
| | COM … | Select connection COM 1 or COM 2 | COM 1: scanner connection for reading in barcodes<br>COM 2: computer connection |
| | BAUDRATE | Set up baud rate | 115200, 2400, 4800, **9600**, 19200, 38400, 57600 Baud |
| | BITS | Set up data bits | 7 Bit / **8 Bit** |
| | PARITY | Set up parity check | Even parity<br>Odd parity<br>**No parity** |
| | STOP BITS | Set up the number of stop bits | 1 stop bit / **2 stop bits** |
| | CONTROL | Set up handshake | Hardware handshake, **no handshake** |
| **702** | **ETHERNET** | **Enter network settings** | |
| | **HOST** | **Configure host** | |
| | HOST LOCAL | Enter local IP address | e.g. 192030007200<br>Each scale in the network needs its own IP address. |
| | HOST MASK | Enter mask code | Code-Nr.: 255255248000<br>All scales in the network need this mask code. |
| | IDLE (MS) | Enter timeout | 1 … 99 ms, **10** |
| | HOST ROUTER IP | Enter the IP address of the router | |
| | MAC ADDRESS | Display the MAC address | |
| **703** | **WORK MODES** | **Define the operating mode of the scale** | |
| | STAND ALONE | The scale operates alone | |
| | FV SLAVE | The scale functions as a slave in the network | |
| | FV MASTER | The scale functions as the master in the network | |

#### 5.11 Setup group 8

In this group, you can assign passwords and authorizations for accessing the scale.

| |
|---|
| **12345** |

- A 5-digit vendor password to access the scale can be set up in setup point 801.
- Factory setting: no vendor password

| |
|---|
| [Mode] **1 888888** |

- Setup access for the chief executive.
- Access to all setup groups
- Password in the factory settings: 888888

| |
|---|
| [Mode] **2 666666** |

- Setup access for the manager.
- Access to setup groups 1, 2, 4, 6 and 7 (factory settings)
- Password in the factory settings: 666666

##### 5.11.1 Working with vendor passwords

If a vendor password is assigned, vendors can only use the scale after they have logged in with their password.

**Vendor login**

| |
|---|
| **2 sec** [V2] |
| **1 ... 9** [✱] |

1. To login, press the vendor key for approx. 2 seconds.

2. Enter the vendor password using the number keys and confirm with the asterisk.

Vendor X is logged in when the messages VENDOR LOG IN and VENDOR TICKET appear in the bottom line of the display.

**Vendor log off**

| |
|---|
| **2 sec** [V2] |
| **1 ... 9** [✱] |

1. To log off, press the vendor key for approx. 2 seconds.

2. Enter password using the number keys and confirm with the asterisk.

Vendor X is logged off when the messages VENDOR LOG OFF appears in the bottom line of the display.

Always log off when you are not using the scale.

### 5.11.2 Overview of setup group 8

| No. | DISPLAY | Description | Notes |
|-----|---------|-------------|-------|
| **801** | **PW MANAGER** | **Password administration** | |
| | **CHG PW MANAGER** | **Change the manager's password** | Factory setting: mode 2 666666 |
| | MANAGER PW NEW | Assign new password | Max. 5 characters |
| | AGAIN | Repeat new password | |
| | **CHG PW VENDOR** | **Change vendor password** | |
| | VEND 1....8 | Enter the number of the vendor whose password should be changed | Max. 8 vendors |
| | VEND X PW NEW | Assign new password for vendor X | Max. 5 characters |
| | AGAIN | Repeat new password | |
| | | Then, either process the next vendor or use the mode key to go to the next setup point. | |
| | **CHG PW BOSS** | **Change the boss's password** | Factory setting: mode 1 888888 |
| | BOSS PW NEW | Assign new password | Max. 5 characters |
| | AGAIN | Repeat new password | |
| **802** | **RIGHT LIMIT** | **Assign access rights** | |
| | MANAGER | Setup groups that the manager can edit | Enter more groups with the tare key Factory setting: groups 1, 2, 4, 6, 7 |
| | VEND | Setup groups that the vendor can edit | Enter more groups with the tare key Factory setting: no access |

Record your passwords in a safe location.

### 5.12 Setup group 10

This group can only be accessed with a network license.

#### 5.12.1 Label printing

- You can use your scale to print labels:
  - in the sales mode or
  - in the prepack mode
- The scale has predefined label formats. Up to 10 additional label formats can be configured with a PC.
- If you have questions, please contact your sales representative.

**Required settings**

- Define label information in groups 1 and 2
- Setup point 1026: select sales mode or prepack mode
- Setup point 1005: select ticket printing or label printing

#### 5.12.2 Overview of setup group 10

| No. | DISPLAY | Description | Notes |
|-----|---------|-------------|-------|
| **1003** | **PRODUCT DATE** | **Enter the product date for the printout** | e.g. manufacturing date, sell by …, best before date. Today's date is automatically displayed. |
| | CURRENT – | Number of days that the date should be moved forward | Max. 99 days |
| | CURRENT + | Number of days that it should be backdated | Max. 99 days |
| **1004** | **EXTRA TEXT N** | **Enter additional text** | **Only for label printing** |
| | TEXT 1 …50 | Enter the number of the extra text | Max. 50 extra text entries |
| | | Enter additional text | Max. 183 characters |
| **1005** | **PRN TYP** | **Select print method** | |
| | PRINT TICKET | Print ticket | Factory setting |
| | PRINT LABEL | Print label | |
| | LABEL ENDLESS | Print endless label | |
| **1006\*** | **D L W FORMAT** | **Select label format for weight PLU** | |
| | D L W FORMAT | Select label format | Factory setting: **101** |
| **1007\*** | **D L Q FORMAT** | **Select label format for quantity PLU** | |
| | D L Q FORMAT | Select label format | Factory setting: **102** |
| **1008\*** | **D P W FORMAT** | **Select label format for prepacking for weight PLU** | |
| | D P W FORMAT | Select label format | Factory setting: **103** |
| **1009\*** | **D P Q FORMAT** | **Select label format for prepacking for quantity PLU** | |
| | D P Q FORMAT | Select label format | Factory setting: **104** |

| No. | DISPLAY | Description | Notes |
|---|---|---|---|
| **1010\*** | **D L T FORMAT** | **Select the format of the total label** | |
| | D L T FORMAT | Select label format | Factory setting: **105** |
| **\*** | Notes on label formats | Possible formats: 1 to 10 and 101 to 110<br>The formats 101 to 110 are preconfigured and saved in the scale, refer to the format overview in the appendix.<br>The formats 1 to 10 a free-form formats that can be downloaded from the computer. | |
| **1011** | **ACT TO V1** | **Reaction to pressing the vendor key in the label printing mode** | |
| | LABEL/NO TOT | Print label without totalling | Factory setting |
| | LABEL/TOT | Print label and total | |
| | NO LABEL/TOT | Total, but do not print label | |
| **1016** | **SELF-SERVICE** | **Configure self-service for the scale** | |
| | VENDOR M | Scale is operated by the vendor | Factory setting |
| | SELF-SERVICE | Self-service scale operation | |
| | MANUAL | Select manual self-service operation of the scale | Various items can be weighed by the customer. The customer places the item on the scale and presses the alphabetical key corresponding to that item. |
| | AUTOMATIC | Automatic self-service | |
| | PLU NUMBER | Enter the PLU number that should be weighed in the self-service mode | One and the same item can be weighed by the customer, e.g. salad buffet sales. The customer only has to place the item on the scale and the scale automatically prints the ticket. |
| **1017** | **GROUP H RPT** | **Create a group report every hour** | |
| | **TODAY** | **Report covering all groups used today** | |
| | ALL GROUPS | Create hourly report of all groups | |
| | FROM …<br>TO GROUP NO. | Create a report for a range of groups | Enter the beginning and end values. |
| | SORT SUM /<br>SORT GRP | Sort by amount or by group | |
| | PRINT /<br>NOT PRINT | Print the report, yes or no | |
| | ANOTHER YES /<br>ANOTHER NO | Create other reports / Don't create other reports | YES: go to 1017<br>NO: go to DEL REPS |
| | DEL REPS NO /<br>DEL REPS YES | Delete all reports created, yes or no | |
| | SURE NO/ SURE YES | Confirmation prompt before deleting the report | |

| No. | DISPLAY | Description | Notes |
|-----|---------|-------------|-------|
| 1017 | LAST VALID | **Report for the time period since the last group report** | |
| | | Further settings as under **TODAY** | |
| | TOTAL | **Report covering all registered groups in the log file** | |
| | | Further settings as under **TODAY** | |
| | ALL | **Summary of all reports** (today + last valid + total) | |
| | | Further settings as under **TODAY** | |
| 1020 | CASHDRAW RPT | **Create cash drawer report** | |
| | | Refer to 1017 | |
| 1021 | MONTHLY RPT | **Create monthly report** | |
| | | Refer to 1017, TODAY | |
| 1022 | YEARLY RPT | **Create yearly report** | |
| | | Refer to 1017, TODAY | |
| 1025 | PLU REPORT | **Create PLU report** | |
| | | Other settings as under **1017** | |
| 1026 | MODE SWITCH | **Switch between the sales mode and the prepack mode** | |
| | OPERATION | Sales mode | Factory setting |
| | PP | Prepack mode | |

# 6 What do you do if....?

In the case of an operating error, the error message will be displayed for approx. 1second in the bottom line of the display. Error messages can be cleared with the C key.

| Error | Cause | Remedy |
|---|---|---|
| TOO SMALL | Data entered too small | |
| INPUT ERROR | Incorrect input | |
| SAVE ERROR | Error during saving | |
| O TOO SMALL | Zero value during calibration too small | |
| O TOO LARGE | Zero value during calibration too large | |
| WT TOO SMALL | • Weight on scale too low<br>• Item was removed from the weighing pan too quickly<br><br>During label printing or when total weight < 20 e | ▶ Only remove the item from the weighing pan after confirming the entry with the vendor key. |
| WT TOO LARGE | The weight on the scale during calibration is too heavy | |
| WT TOO HEAVY | The weight on the weighing pan exceeds the maximum load by more than 9 e | ▶ To enter large quantities, refer to section 3.3. |
| NOT STABLE | The weight display is not stable when the scale is turned on | |
| CONF. ERROR | Incorrect configuration when the scale is turned on | ▶ Please contact your dealer. |
| AMOUNT IS 0 | When a label is printed or when totalling, the total price is 0 | |
| PLU NOT FOUND | PLU not found when called up | ▶ Enter the PLU, refer to section 3.2. |
| NO THIS PLU | This PLU is not stored | |
| TARE TOO BIG | Preset tare exceeds the maximum load | |
| NOT LOG IN | The vendor has not logged in | ▶ Vendor login, refer to section 4.6. |
| CHANGE PAPER | The paper is empty | ▶ Replace the ticket roll or label roll. |
| WRONG VENDOR | The vendor does not exist | ▶ Vendor login, refer to section 4.6. |
| NO DISCOUNT | Discount not enabled | ▶ Enable the discount key, refer to setup point 116. |
| DISC IMPOSS | The input does not meet the discount conditions | ▶ Change the discount conditions. |

| Error | Cause | Remedy |
|-------|-------|--------|
| NO VOID | There is no transaction to be voided | |
| NO CUST MEM | There is no customer record in the database | |
| MEMORY FULL | Memory full | |
| ERROR 203 | Database checksum is incorrect | |
| KEY NO FUNCTION | The key is not valid for the transaction | ▶ Use a key that is valid for the transaction. |
| SET TO SLAVE | There are two master scales in the network | ▶ Change one of the master scales to a slave. |
| MULTI SERVER | | |
| NETWORK ERROR | Network not working correctly | ▶ Please contact your administrator. |
| VENDOR BUSY | Vendor number already in use | ▶ Wait until the vendor number is free. |
| CMD UNAVAIL | Command is disabled | |

# 7 Technical data and accessories

## 7.1 Technical data

| Scale data | |
|---|---|
| Maximum load | 3 kg, 6 kg, 15 kg or 30 kg |
| Increments | 1 g, 2 g, 5 g or 10 g |
| **Display** | |
| Weight display | 6 digits |
| Unit price display | 6 digits |
| Total price | 7 digits |
| Tare | 4 digits |
| **Ambient conditions** | |
| Operating temperature | −10° C to +40° C |
| Storage temperature | -25° C to +50° C |
| **Electrical data** | |
| Mains connection | 100–240 V AC |
| Battery (optional) | 12 V / 5 Ah. |
| **Interfaces** | |
| Cash drawer | Cash drawer connection |
| 2 x RS232 | for PC or scanner |
| Ethernet (optional) | to set up a scale network |
| **Memory** | |
| No. of PLUs | 9999 |
| No. of groups | 20 |
| No. of tare weights | 20 |

## 7.2 Accessories

The following optional accessories are available from your sales representative:

- Printer paper
- Labels
- Spare battery
- Network cable/computer cable
- Hub

# 8 Appendix

## 8.1 Unicode Table

| Code | Type | Code | Type | Code | Type | Code | Type | Code | Type | Code | Type | Code | Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00000 |  | 00040 | ( | 00080 | P | 00120 | x | 00160 |  | 00200 | È | 00240 | č |
| 00001 |  | 00041 | ) | 00081 | Q | 00121 | y | 00161 | ¡ | 00201 | É | 00241 | ñ |
| 00002 |  | 00042 | * | 00082 | R | 00122 | z | 00162 | ¢ | 00202 | Ê | 00242 | ò |
| 00003 |  | 00043 | + | 00083 | S | 00123 | { | 00163 | £ | 00203 | Ë | 00243 | ó |
| 00004 |  | 00044 | , | 00084 | T | 00124 | | | 00164 | ¤ | 00204 | Ì | 00244 | ô |
| 00005 |  | 00045 | - | 00085 | U | 00125 | } | 00165 | ¥ | 00205 | Í | 00245 | õ |
| 00006 |  | 00046 | . | 00086 | V | 00126 | ~ | 00166 | ¦ | 00206 | Î | 00246 | ö |
| 00007 |  | 00047 | / | 00087 | W | 00127 |  | 00167 | § | 00207 | Ï | 00247 | ÷ |
| 00008 |  | 00048 | 0 | 00088 | X | 00128 |  | 00168 | ¨ | 00208 | Č | 00248 | ø |
| 00009 |  | 00049 | 1 | 00089 | Y | 00129 |  | 00169 | © | 00209 | Ñ | 00249 | ù |
| 00010 |  | 00050 | 2 | 00090 | Z | 00130 | ‚ | 00170 | ª | 00210 | Ò | 00250 | ú |
| 00011 |  | 00051 | 3 | 00091 | [ | 00131 | ƒ | 00171 | « | 00211 | Ó | 00251 | û |
| 00012 |  | 00052 | 4 | 00092 | \ | 00132 | „ | 00172 | ¬ | 00212 | Ô | 00252 | ü |
| 00013 |  | 00053 | 5 | 00093 | ] | 00133 | … | 00173 |  | 00213 | Õ | 00253 | ď |
| 00014 |  | 00054 | 6 | 00094 | ^ | 00134 | † | 00174 | ® | 00214 | Ö | 00254 | đ |
| 00015 |  | 00055 | 7 | 00095 | _ | 00135 | ‡ | 00175 | ¯ | 00215 | ē | 00255 | ÿ |
| 00016 |  | 00056 | 8 | 00096 | ` | 00136 |  | 00176 | ° | 00216 | Ø | 00256 | Ā |
| 00017 |  | 00057 | 9 | 00097 | a | 00137 | ‰ | 00177 | ± | 00217 | Ù | 00257 | ā |
| 00018 |  | 00058 | : | 00098 | b | 00138 | ć | 00178 | ĕ | 00218 | Ú | 00258 | Ă |
| 00019 |  | 00059 | ; | 00099 | c | 00139 | < | 00179 | È | 00219 | Û | 00259 | ă |
| 00020 |  | 00060 | < | 00100 | d | 00140 | Œ | 00180 | ´ | 00220 | Ü | 00260 | Ą |
| 00021 |  | 00061 | = | 00101 | e | 00141 |  | 00181 | µ | 00221 | Ď | 00261 | ą |
| 00022 |  | 00062 | > | 00102 | f | 00142 |  | 00182 | ¶ | 00222 | Đ | 00262 | Ć |
| 00023 |  | 00063 | ? | 00103 | g | 00143 |  | 00183 | · | 00223 | ß | 00263 | ć |
| 00024 |  | 00064 | @ | 00104 | h | 00144 |  | 00184 | ¸ | 00224 | à | 00264 | Ĉ |
| 00025 |  | 00065 | A | 00105 | i | 00145 | ' | 00185 | Ě | 00225 | á | 00265 | ĉ |
| 00026 |  | 00066 | B | 00106 | j | 00146 | ' | 00186 | º | 00226 | â | 00266 | Ċ |
| 00027 |  | 00067 | C | 00107 | k | 00147 | " | 00187 | » | 00227 | ã | 00267 | ċ |
| 00028 |  | 00068 | D | 00108 | l | 00148 | " | 00188 | Ę | 00228 | ä | 00268 | Č |
| 00029 |  | 00069 | E | 00109 | m | 00149 | ° | 00189 | ė | 00229 | å | 00269 | č |
| 00030 | - | 00700 | F | 00110 | n | 00150 | – | 00190 | ¾ | 00230 | æ | 00270 | Ď |
| 00031 |  | 00710 | G | 00111 | o | 00151 | — | 00191 | ¿ | 00231 | ç | 00271 | ď |
| 00032 |  | 00720 | H | 00112 | p | 00152 | ¨ | 00192 | À | 00232 | è | 00272 | Đ |
| 00033 | ! | 00730 | I | 00113 | q | 00153 | ™ | 00193 | Á | 00233 | é | 00273 | đ |
| 00034 | " | 00074 | J | 00114 | r | 00154 | Ĉ | 00194 | Â | 00234 | ê | 00274 | Ē |
| 00035 | # | 00075 | K | 00115 | s | 00155 | > | 00195 | Ã | 00235 | ë | 00275 | ē |
| 00036 | $ | 00076 | L | 00116 | t | 00156 | œ | 00196 | Ä | 00236 | ì | 00276 | Ĕ |
| 00037 | % | 00077 | M | 00117 | u | 00157 |  | 00197 | Å | 00237 | í | 00277 | ĕ |
| 00038 | & | 00078 | N | 00118 | v | 00158 |  | 00198 | Æ | 00238 | î | 00278 | Ė |
| 00039 |  | 00079 | O | 00119 | w | 00159 | Ÿ | 00199 | Ç | 00239 | ï | 00279 | ė |

| Code | Type | Code | Type | Code | Type | Code | Type | Code | Type | Code | Type | Code | Type |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 00280 | Ę | 00330 | Ŋ | 00380 | ż | 00430 |  | 00480 |  | 00530 | Ȓ | 00580 |  |
| 00281 | ę | 00331 | ŋ | 00381 | Ž | 00431 | Ư | 00481 |  | 00531 | ȓ | 00581 |  |
| 00282 | Ě | 00332 | Ō | 00382 | ž | 00432 | ư | 00482 |  | 00532 | Ù | 00582 |  |
| 00283 | ě | 00333 | ō | 00383 |  | 00433 |  | 00483 |  | 00533 | ù | 00583 |  |
| 00284 | Ĝ | 00334 | Ŏ | 00384 |  | 00434 |  | 00484 | Ǥ | 00534 | Û | 00584 |  |
| 00285 | ĝ | 00335 | ŏ | 00385 |  | 00435 |  | 00485 | ǥ | 00535 | û | 00585 |  |
| 00286 | Ğ | 00336 | Ő | 00386 |  | 00436 |  | 00486 | Ǧ | 00536 | Ş | 00586 |  |
| 00287 | ğ | 00337 | ő | 00387 |  | 00437 |  | 00487 | ǧ | 00537 | ş | 00587 |  |
| 00288 | Ġ | 00338 | Œ | 00388 |  | 00438 |  | 00488 | Ǩ | 00538 | Ţ | 00588 |  |
| 00289 | ġ | 00339 | œ | 00389 |  | 00439 | ʒ | 00489 | ǩ | 00539 | ţ | 00589 |  |
| 00290 | Ģ | 00340 | Ŕ | 00390 |  | 00440 |  | 00490 | Ǫ | 00540 | ʒ | 00590 |  |
| 00291 | ģ | 00341 | ŕ | 00391 |  | 00441 |  | 00491 | ǫ | 00541 | ʒ | 00591 |  |
| 00292 | Ĥ | 00342 | Ŗ | 00392 |  | 00442 |  | 00492 |  | 00542 |  |  |  |
| 00293 | ĥ | 00343 | ŗ | 00393 |  | 00443 |  | 00493 |  | 00543 |  |  |  |
| 00294 | Ħ | 00344 | Ř | 00394 |  | 00444 |  | 00494 | Ǯ | 00544 |  |  |  |
| 00295 | ħ | 00345 | ř | 00395 |  | 00445 |  | 00495 | ǯ | 00545 |  |  |  |
| 00296 | Ĩ | 00346 | Ś | 00396 |  | 00446 |  | 00496 |  | 00546 |  |  |  |
| 00297 | ĩ | 00347 | ś | 00397 |  | 00447 |  | 00497 | DZ | 00547 |  |  |  |
| 00298 | Ī | 00348 | Ŝ | 00398 |  | 00448 |  | 00498 | Dz | 00548 |  |  |  |
| 00299 | ī | 00349 | ŝ | 00399 | ə | 00449 |  | 00499 | dz | 00549 |  |  |  |
| 00300 | Ĭ | 00350 | Ş | 00400 |  | 00450 |  | 00500 |  | 00550 |  |  |  |
| 00301 | ĭ | 00351 | ş | 00401 |  | 00451 |  | 00501 |  | 00551 |  |  |  |
| 00302 | Į | 00352 | Š | 00402 | ƒ | 00452 |  | 00502 |  | 00552 |  |  |  |
| 00303 | į | 00353 | š | 00403 |  | 00453 |  | 00503 |  | 00553 |  |  |  |
| 00304 | İ | 00354 | Ţ | 00404 |  | 00454 |  | 00504 |  | 00554 |  |  |  |
| 00305 | ı | 00355 | ţ | 00405 |  | 00455 |  | 00505 |  | 00555 |  |  |  |
| 00306 | Ĳ | 00356 | Ť | 00406 |  | 00456 |  | 00506 | Å | 00556 |  |  |  |
| 00307 | ĳ | 00357 | ť | 00407 |  | 00457 |  | 00507 | å | 00557 |  |  |  |
| 00308 | Ĵ | 00358 | Ŧ | 00408 |  | 00458 |  | 00508 | Æ | 00558 |  |  |  |
| 00309 | ĵ | 00359 | ŧ | 00409 |  | 00459 |  | 00509 | æ | 00559 |  |  |  |
| 00310 | Ķ | 00360 | Ũ | 00410 |  | 00460 |  | 00510 | Ø | 00560 |  |  |  |
| 00311 | ķ | 00361 | ũ | 00411 |  | 00461 | Ǎ | 00511 | ø | 00561 |  |  |  |
| 00312 | ĸ | 00362 | Ū | 00412 |  | 00462 | ǎ | 00512 | À | 00562 | Ȳ |  |  |
| 00313 | Ĺ | 00363 | ū | 00413 |  | 00463 | Ǐ | 00513 | à | 00563 | ȳ |  |  |
| 00314 | ĺ | 00364 | Ŭ | 00414 |  | 00464 | ǐ | 00514 | Â | 00564 |  |  |  |
| 00315 | Ļ | 00365 | ŭ | 00415 |  | 00465 | Ǒ | 00515 | â | 00565 |  |  |  |
| 00316 | ļ | 00366 | Ů | 00416 | Ơ | 00466 | ǒ | 00516 | È | 00566 |  |  |  |
| 00317 | Ľ | 00367 | ů | 00417 | ơ | 00467 | Ǔ | 00517 | è | 00567 |  |  |  |
| 00318 | ľ | 00368 | Ű | 00418 |  | 00468 | ǔ | 00518 | Ê | 00568 |  |  |  |
| 00319 | Ŀ | 00369 | ű | 00419 |  | 00469 | Ǖ | 00519 | ê | 00569 |  |  |  |
| 00320 | ŀ | 00370 | Ų | 00420 |  | 00470 | ǖ | 00520 | Ì | 00570 |  |  |  |
| 00321 | Ł | 00371 | ų | 00421 |  | 00471 | Ǘ | 00521 | ì | 00571 |  |  |  |
| 00322 | ł | 00372 | Ŵ | 00422 |  | 00472 | ǘ | 00522 | Î | 00572 |  |  |  |
| 00323 | Ń | 00373 | ŵ | 00423 |  | 00473 | Ǚ | 00523 | î | 00573 |  |  |  |
| 00324 | ń | 00374 | Ŷ | 00424 |  | 00474 | ǚ | 00524 | Ò | 00574 |  |  |  |
| 00325 | Ņ | 00375 | ŷ | 00425 |  | 00475 | Ǜ | 00525 | ò | 00575 |  |  |  |
| 00326 | ņ | 00376 | Ÿ | 00426 |  | 00476 | ǜ | 00526 | Ô | 00576 |  |  |  |
| 00327 | Ň | 00377 | Ź | 00427 |  | 00477 |  | 00527 | ô | 00577 |  |  |  |
| 00328 | ň | 00378 | ź | 00428 |  | 00478 |  | 00528 | Ȓ | 00578 |  |  |  |
| 00329 | ŉ | 00379 | Ż | 00429 |  | 00479 |  | 00529 | ȓ | 00579 |  |  |  |

## 8.2 Label formats

#101: 40 x 50 mm

Aepfel
1.000kg    3.00€/kg

3.00€

Packing Date:    Valid Date:
03-08-31         03-08-31

#102: 40 x 50 mm

Aepfel
1 STK    3.00€/STK

3.00€

Packing Date:    Valid Date:
03-08-31         03-08-31

#103: 35 x 50 mm

Aepfel
1.000kg
3.00$/kg    3.00$

Packing Date:    Valid Date:
03-08-31         03-08-31

#104: 35 x 50 mm

Aepfel
1pcs
3.00$/pcs    3.00$

Packing Date:    Valid Date:
03-08-31         03-08-31

#105: 20 x 40 mm

Total    18.00€

#106: 35 x 50 mm

Aepfel
1pcs
3.00$/PCS    3.00$

Packing Date:    Valid Date:
03-08-31         03-08-31

#107: 30 x 40 mm

Aepfe    Neue Gewicht:
1        1.000kg
         3.00€/kg

Verpackt am:    Haltbar bis:
03-08-31        03-08-31

3.00$

#108: 30 x 40 mm

Aepfel    1 STK
          3.00€/STK

Verpackt am:    Haltbar bis:
03-08-31        03-08-31

3.00€

#109: 30 x 40 mm

Aepfel    1 STK
          3.00€/STK

Verpackt am:    Haltbar bis:
03-08-31        03-08-31

3.00€

## 8.3 Declaration of conformity

**Mettler-Toledo (ChangZhou) Measurement Technology Ltd.**
Legal Metrology

**METTLER TOLEDO**

**EC-Declaration of Conformity**
EC-Konformitätserklärung
EC-Déclaration de conformité
EC-Declaración de Conformidad
EC-Conformiteitsverklaring
EC-Dichiarazione di conformità

---

**We,** Wir, Nous, Nosotros, Wij，Noi,

**Mettler-Toledo (ChangZhou) Measurement Technology Ltd.**
**No.111, West TaiHu Road, XinBei District, ChangZhou, JiangSu, 213125, P.R.China**

**declare under our sole responsibility that the product,**
erklären, in alleiniger Verantwortung, daß dieses Produkt,
déclarons sous notre seule responsabilité que le produit,
declaramos, bajo nuestra sola responsabilidad, que el producto,
verklaren onder onze verantwoordelijkheid, dat het product,
dichiariamo sotto nostra unica responsabilitá, che il prodotto,

**Model/Type:   bTwin,bTwin-H2 series scale   (EC Type Certificate No.:T6761)**

**To which this declaration relates , is in conformity with the following standard(s) or other normative document(s),**
auf das sich diese Erklärung bezieht, mitder/den folgenden Norm(en) oder Richtlinie(n) übereinstimmt.
Auquel se réfère cette déclaration est conforme à la (aux) norme(s) ou au(x) document(s) normatif(s).
Al que se refiere esta declaración es conforme a la(s) norma(s) u otro(s) documento(s) normativo(s).
Waarnaar deze verklaring verwijst, aan de volende norm(en) of richtlijn(en) beantwoordt.
A cui si riferisce questa dichiarazione è conforme alla/e sequente/i norma/e o documento/i normativo/i.

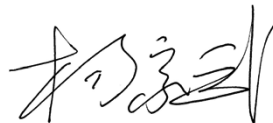| EC marking | EC Directive: | Applicable Standards: |
|---|---|---|
| $C \epsilon$ | 2006/95/EC<br>Low Voltage | EN60950-1:2006 |
| $C \epsilon$ | 2004/108/EC<br>EMC | EN61326-1:2006 |
| $C \epsilon$ xx yyyy **M** | 2009/23/EC<br>Non-automatic weighing instruments | EN 45501:1992 /AC:1993  1[)] |

- **xx: Last two digit of the year of initial verification**
- **yyyy: Notified Body of Metrology**

1[)]   **Applies only to certified non-automatic weighing instruments.**
gilt nur für geeichte  nicht selbsttätige Waagen
s'applique uniquement aux instruments de pesage à fonctionnement non automatique verifiées
applicable solamente a strumenti di pesatura a funzionamento non automatico omologate
Enkel van toepassing op gecertificeerde Niet Automatische Weegwerktuigen
aplicable solamente a instrumentos de pesaje aprobados de funcionamiento no automático verificadas

Issued on: 2009-2-18  Revised on: 2012-3-1
Mettler-Toledo (ChangZhou) Measurement Technology Ltd.

Chen Huai
General Manager

Yang JiaWu
QA Manager

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For more information